


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING							FORM 3 AMENDED REPORT <input type="checkbox"/>						
APPLICATION FOR PERMIT TO DRILL							1. WELL NAME and NUMBER Aurora Federal 2-19D-7-20						
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>							3. FIELD OR WILDCAT UNDESIGNATED						
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO							5. UNIT or COMMUNITIZATION AGREEMENT NAME AURORA (DEEP)						
6. NAME OF OPERATOR BILL BARRETT CORP							7. OPERATOR PHONE 303 312-8164						
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202							9. OPERATOR E-MAIL BHilgers@billbarrettcorp.com						
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-75093			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>						
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Pelican Lake Farms, LLC							14. SURFACE OWNER PHONE (if box 12 = 'fee') 970-878-4331						
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO Box 833, Meeker, CO 81641							16. SURFACE OWNER E-MAIL (if box 12 = 'fee')						
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>				19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>						
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		265 FNL 2402 FEL		NWNE		19		7.0 S		20.0 E		S	
Top of Uppermost Producing Zone		657 FNL 1973 FEL		NWNE		19		7.0 S		20.0 E		S	
At Total Depth		660 FNL 1980 FEL		NWNE		19		7.0 S		20.0 E		S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660				23. NUMBER OF ACRES IN DRILLING UNIT 40						
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2993				26. PROPOSED DEPTH MD: 10646 TVD: 10576						
27. ELEVATION - GROUND LEVEL 4822			28. BOND NUMBER WYB000040				29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-2336						
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight		
Cond	26	16	0 - 80	65.0	Unknown	8.8	Unknown		0	0.0	0.0		
Surf	12.25	9.625	0 - 2000	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown		280	3.16	11.0		
							Halliburton Premium , Type Unknown		210	1.36	14.8		
Prod	8.75	5.5	0 - 10646	17.0	P-110 LT&C	9.6	Unknown		850	2.31	11.0		
							Unknown		1070	1.42	13.5		
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Venessa Langmacher				TITLE Senior Permit Analyst				PHONE 303 312-8172					
SIGNATURE				DATE 05/03/2012				EMAIL vlangmacher@billbarrettcorp.com					
API NUMBER ASSIGNED 43047526320000				APPROVAL  Permit Manager									

BILL BARRETT CORPORATION

DRILLING PLAN

Aurora Federal 2-19D-7-20

NW NE, 265' FNL and 2402' FEL, Section 19, T7S-R20E, SLB&M (surface hole)

NW NE, 660' FNL and 1980' FEL, Section 19, T7S-R20E, SLB&M (bottom hole)

Uintah County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth - TVD</u>
Lower Green River*	6,125'	6,056'
Black Shale	7,160'	7,091'
Castle Peak	7,240'	7,171'
Wasatch*	8,145'	8,076'
TD	10,646'	10,576'

*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 346'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 2,000'	No pressure control required
2,000' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	2,000'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

*The casing program is based on recent wells drilled by Axia in the immediate area.

9-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust

Bill Barrett Corporation
 Drilling Program
 Aurora Federal #2-19D-7-20
 Uintah County, Utah

- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits

5. **Cementing Program**

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 280 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 1,500'
5 1/2" Production Casing	Lead: 850 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 1,500' Tail: 1070 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 6,660'

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 2,000'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
2,000' – TD	8.6 – 9.6	42 – 52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. **Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

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Drilling Program
Aurora Federal #2-19D-7-20
Uintah County, Utah

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 5279 psi* and maximum anticipated surface pressure equals approximately 2952 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
 - b) Inside BOP or stab-in valve (available on rig floor)
 - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Green River located in Sec. 33, T8S-R20E.

11. Drilling Schedule

Location Construction: July 2012
Spud: July 2012
Duration: 15 days drilling time
45 days completion time



Bill Barrett Corporation

AURORA CEMENT VOLUMES

Well Name: Aurora Federal 2-19D-7-20

Surface Hole Data:

Total Depth:	2,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	822.1	ft ³
Lead Fill:	1,500'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

Lead Yield:	3.16	ft ³ /sk
% Excess:	75%	
Top of Lead:	0'	

Calculated # of Sacks:

# SK's Lead:	280
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Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	1,500'	

# SK's Tail:	210
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Production Hole Data:

Total Depth:	10,646'
Top of Cement:	1,500'
Top of Tail:	6,660'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1955.1	ft ³
Lead Fill:	5,160'	
Tail Volume:	1510.4	ft ³
Tail Fill:	3,986'	

Cement Data:

Lead Yield:	2.31	ft ³ /sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

Calculated # of Sacks:

# SK's Lead:	850
# SK's Tail:	1070

Aurora Federal 2-19D-7-20 Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>	
Lead Cement - (1500' - 0')		
Halliburton Light Premium	Fluid Weight:	11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16 ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'
2.0% Bentonite	Calculated Fill:	1,500'
	Volume:	146.41 bbl
	Proposed Sacks:	280 sks
Tail Cement - (TD - 1500')		
Premium Cement	Fluid Weight:	14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36 ft ³ /sk
	Total Mixing Fluid:	6.37 Gal/sk
	Top of Fluid:	1,500'
	Calculated Fill:	500'
	Volume:	48.80 bbl
	Proposed Sacks:	210 sks

<u>Job Recommendation</u>	<u>Production Casing</u>	
Lead Cement - (6660' - 1500')		
Tuned Light TM System	Fluid Weight:	11.0 lbm/gal
	Slurry Yield:	2.31 ft ³ /sk
	Total Mixing Fluid:	10.65 Gal/sk
	Top of Fluid:	1,500'
	Calculated Fill:	5,160'
	Volume:	348.19 bbl
	Proposed Sacks:	850 sks
Tail Cement - (10646' - 6660')		
Econocem TM System	Fluid Weight:	13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42 ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61 Gal/sk
	Top of Fluid:	6,660'
	Calculated Fill:	3,986'
	Volume:	268.99 bbl
	Proposed Sacks:	1070 sks

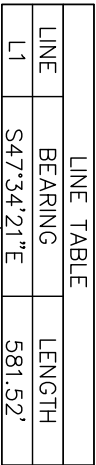
T7S, R20E, S.L.B.&M.

R	R
19	20
E	E

2
N89°35'40"E
2655.13' (Meas.)

AURORA FEDERAL
#2-19D-7-20
Elev. Ungraded Ground = 4822

BASIS OF BEARINGS IS A G.P.S. OBSERVATION



THIS IS TO CERTIFY THAT THE ABOVE REPORT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

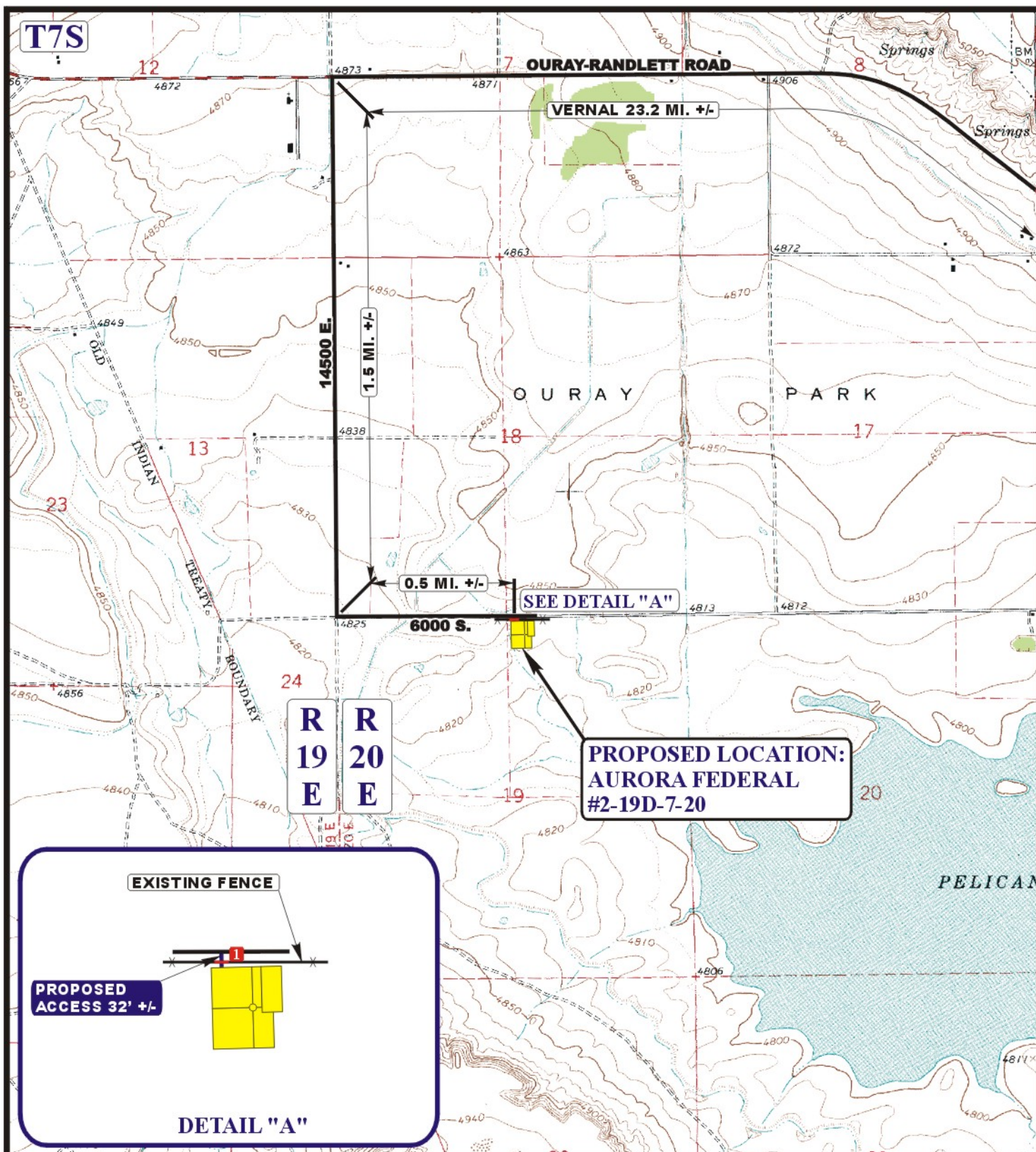
Revised: 07-26-11 Z.L.

LEGEND:

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	12-09-10	04-18-11
PARTY	REFERENCES	
G.S. T.H. S.L.	G.L.O. PLAT	
WEATHER	FILE	
COOL	BILL BARRETT CORPORATION	



A
TOPO



LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING FENCE
- INSTALL CATTLE GUARD

BILL BARRETT CORPORATION

AURORA FEDERAL #2-19D-7-20
SECTION 19, T7S, R20E, S.L.B.&M.
265' FNL 2402' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

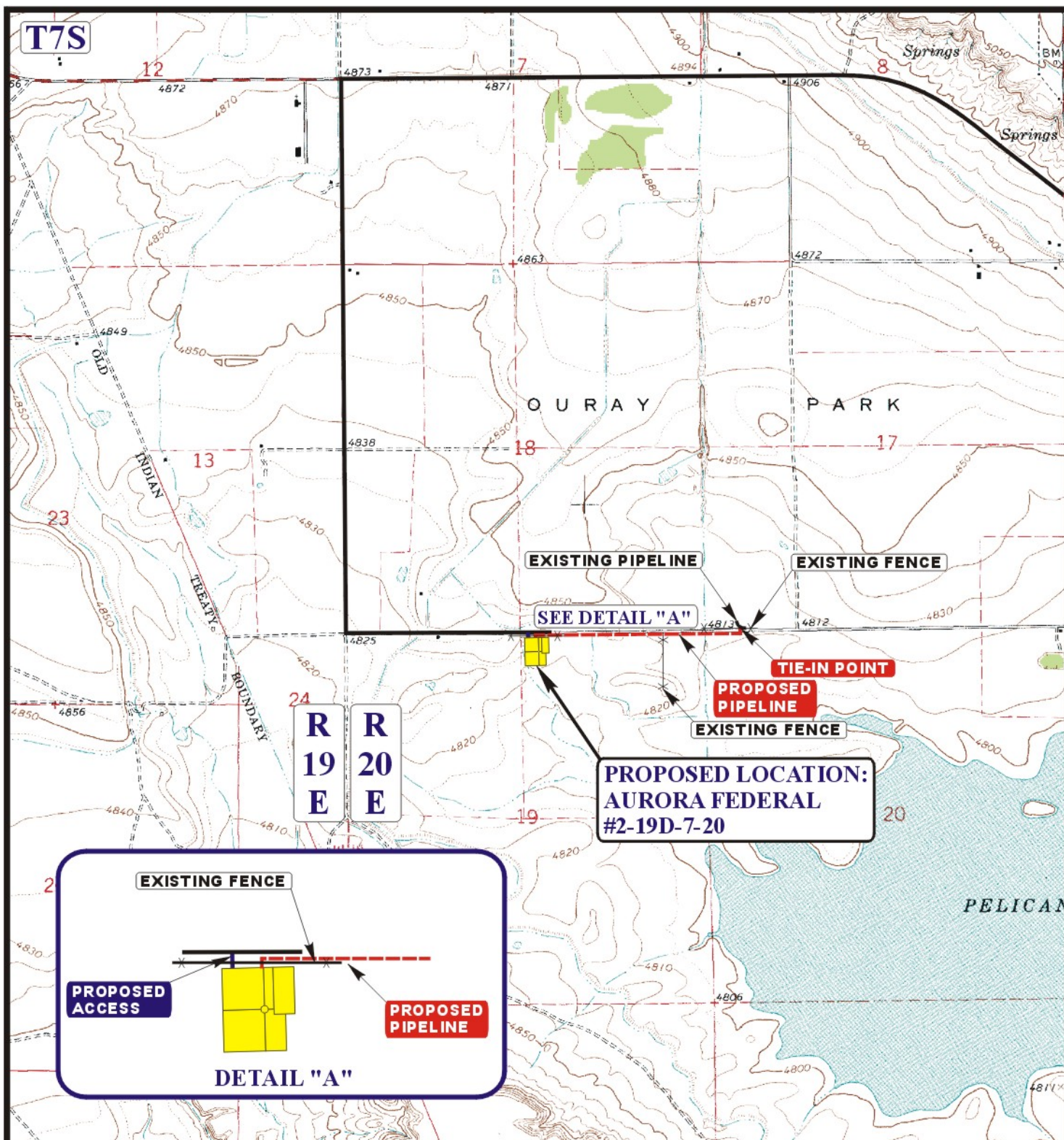


ACCESS ROAD
MAP

04 25 11
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 07-26-11

B
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 3,062' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE



BILL BARRETT CORPORATION

AURORA FEDERAL #2-19D-7-20
SECTION 19, T7S, R20E, S.L.B.&M.
265' FNL 2402' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

11 30 11
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: B.D.H. REVISED: 00-00-00





COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature
 Error System: ISCWSA
 Scan Method: Closest Approach 3D
 Error Surface: Elliptical Conic
 Warning Method: Error Ratio

SITE DETAILS: Aurora Federal 2-19D-7-20

East Bluebell

Site Centre Latitude: 40° 12' 9.248 N
 Longitude: 109° 42' 38.909 W

Positional Uncertainty: 0.0
 Convergence: 1.18
 Local North: True

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
2-19D-7-20 TGR3	6056.0	-392.4	429.1	40° 12' 5.371 N	109° 42' 33.379 W	Rectangle (Sides: L200.0 W200.0)
2-19D-7-20 PBHL	10576.0	-392.4	429.1	40° 12' 5.371 N	109° 42' 33.379 W	Rectangle (Sides: L200.0 W200.0)

FORMATION TOP DETAILS

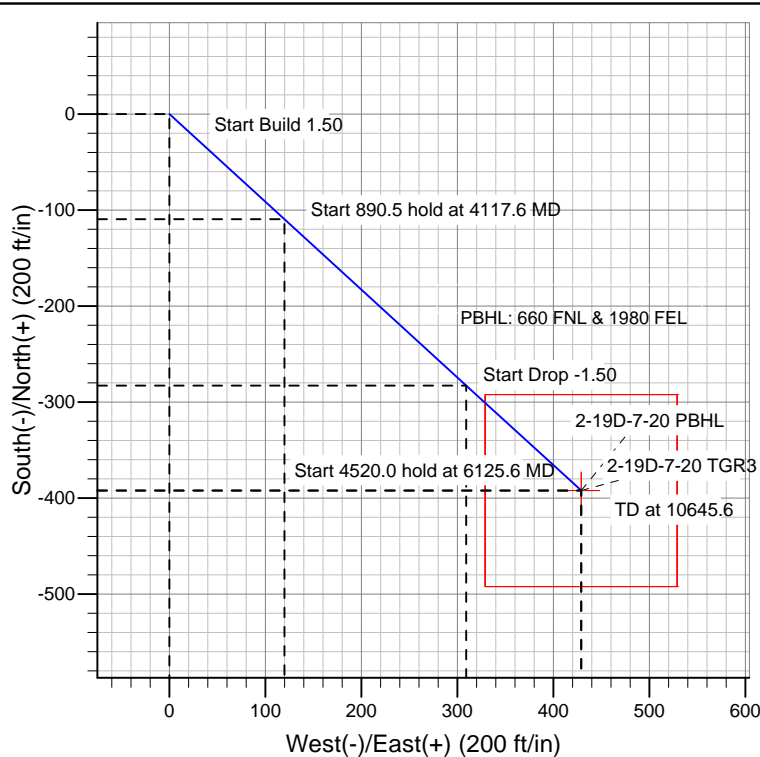
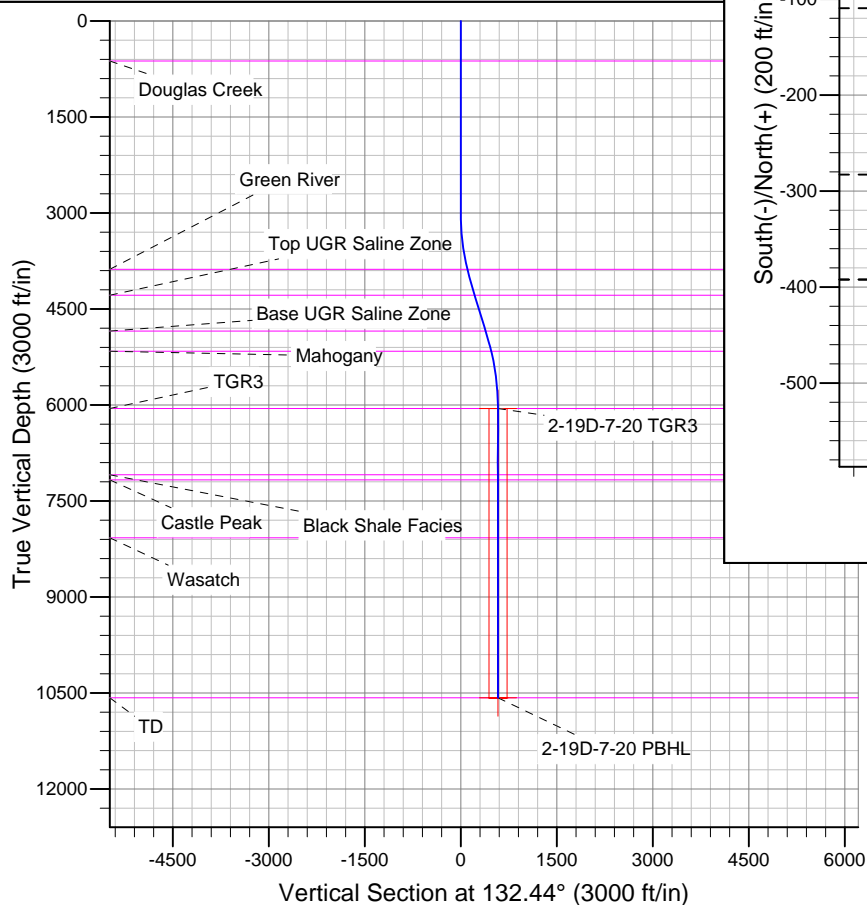
TVDPath	MDPath	Formation
626.0	626.0	Douglas Creek
3881.0	3889.0	Green River
4286.0	4310.1	Top UGR Saline Zone
4846.0	4894.9	Base UGR Saline Zone
5161.0	5222.2	Mahogany
6056.0	6125.6	TGR3
7091.0	7160.6	Black Shale Facies
7171.0	7240.6	Castle Peak
8076.0	8145.6	Wasatch
10576.0	10645.6	TD

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	4117.6	16.76	132.44	4101.7	-109.5	119.8	1.50	132.44	162.3	
4	5008.0	16.76	132.44	4954.3	-282.9	309.3	0.00	0.00	419.2	
5	6125.6	0.00	0.00	6056.0	-392.4	429.1	1.50	180.00	581.5	2-19D-7-20 TGR3
6	10645.6	0.00	0.00	10576.0	-392.4	429.1	0.00	0.00	581.5	2-19D-7-20 PBHL

CASING DETAILS

No casing data is available



Azimuths to True North
 Magnetic North: 11.13°

Magnetic Field
 Strength: 52360.4snT
 Dip Angle: 65.98°
 Date: 12/13/2011
 Model: IGRF2010

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora Federal 2-19D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4846.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 4846.0ft (Original Well Elev)
Site:	Aurora Federal 2-19D-7-20	North Reference:	True
Well:	Aurora Federal 2-19D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora Federal 2-19D-7-20		
Design:	Design #1		

Project	UINTAH COUNTY		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah North 4301		

Site		Aurora Federal 2-19D-7-20			
Site Position: From:		Northing:	-42,496.12 ft	Latitude:	40° 12' 9.248 N
	Lat/Long	Easting:	2,499,820.24 ft	Longitude:	109° 42' 38.909 W
	Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:

Well	Aurora Federal 2-19D-7-20					
Well Position	+N/-S	0.0 ft	Northing:	-42,496.13 ft	Latitude:	40° 12' 9.248 N
	+E/-W	0.0 ft	Easting:	2,499,820.24 ft	Longitude:	109° 42' 38.909 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,822.0 ft

Wellbore	Aurora Federal 2-19D-7-20				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/13/2011	11.13	65.98	52,360

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	132.44

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,117.6	16.76	132.44	4,101.7	-109.5	119.8	1.50	1.50	0.00	132.44	
5,008.0	16.76	132.44	4,954.3	-282.9	309.3	0.00	0.00	0.00	0.00	
6,125.6	0.00	0.00	6,056.0	-392.4	429.1	1.50	-1.50	0.00	180.00	2-19D-7-20 TGR3
10,645.6	0.00	0.00	10,576.0	-392.4	429.1	0.00	0.00	0.00	0.00	2-19D-7-20 PBHL

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora Federal 2-19D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4846.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 4846.0ft (Original Well Elev)
Site:	Aurora Federal 2-19D-7-20	North Reference:	True
Well:	Aurora Federal 2-19D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora Federal 2-19D-7-20		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
626.0	0.00	0.00	626.0	0.0	0.0	0.0	0.00	0.00	0.00
Douglas Creek									
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	1.50	132.44	3,100.0	-0.9	1.0	1.3	1.50	1.50	0.00
3,200.0	3.00	132.44	3,199.9	-3.5	3.9	5.2	1.50	1.50	0.00
3,300.0	4.50	132.44	3,299.7	-8.0	8.7	11.8	1.50	1.50	0.00
3,400.0	6.00	132.44	3,399.3	-14.1	15.4	20.9	1.50	1.50	0.00
3,500.0	7.50	132.44	3,498.6	-22.1	24.1	32.7	1.50	1.50	0.00
3,600.0	9.00	132.44	3,597.5	-31.7	34.7	47.0	1.50	1.50	0.00
3,700.0	10.50	132.44	3,696.1	-43.2	47.2	64.0	1.50	1.50	0.00
3,800.0	12.00	132.44	3,794.2	-56.3	61.6	83.5	1.50	1.50	0.00
3,889.0	13.34	132.44	3,881.0	-69.5	76.0	103.0	1.50	1.50	0.00
Green River									
3,900.0	13.50	132.44	3,891.7	-71.2	77.9	105.5	1.50	1.50	0.00
4,000.0	15.00	132.44	3,988.6	-87.8	96.1	130.2	1.50	1.50	0.00
4,100.0	16.50	132.44	4,084.9	-106.1	116.1	157.3	1.50	1.50	0.00
4,117.6	16.76	132.44	4,101.7	-109.5	119.8	162.3	1.50	1.50	0.00
4,200.0	16.76	132.44	4,180.6	-125.6	137.3	186.1	0.00	0.00	0.00
4,300.0	16.76	132.44	4,276.4	-145.0	158.6	214.9	0.00	0.00	0.00
4,310.1	16.76	132.44	4,286.0	-147.0	160.8	217.8	0.00	0.00	0.00
Top UGR Saline Zone									
4,400.0	16.76	132.44	4,372.1	-164.5	179.9	243.8	0.00	0.00	0.00
4,500.0	16.76	132.44	4,467.9	-184.0	201.2	272.6	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora Federal 2-19D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4846.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 4846.0ft (Original Well Elev)
Site:	Aurora Federal 2-19D-7-20	North Reference:	True
Well:	Aurora Federal 2-19D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora Federal 2-19D-7-20		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,600.0	16.76	132.44	4,563.6	-203.4	222.5	301.5	0.00	0.00	0.00
4,700.0	16.76	132.44	4,659.4	-222.9	243.8	330.3	0.00	0.00	0.00
4,800.0	16.76	132.44	4,755.1	-242.4	265.1	359.2	0.00	0.00	0.00
4,894.9	16.76	132.44	4,846.0	-260.8	285.3	386.5	0.00	0.00	0.00
Base UGR Saline Zone									
4,900.0	16.76	132.44	4,850.9	-261.8	286.3	388.0	0.00	0.00	0.00
5,000.0	16.76	132.44	4,946.6	-281.3	307.6	416.8	0.00	0.00	0.00
5,008.0	16.76	132.44	4,954.3	-282.9	309.3	419.2	0.00	0.00	0.00
5,100.0	15.38	132.44	5,042.7	-300.0	328.1	444.6	1.50	-1.50	0.00
5,200.0	13.88	132.44	5,139.4	-317.1	346.8	469.9	1.50	-1.50	0.00
5,222.2	13.55	132.44	5,161.0	-320.6	350.7	475.1	1.50	-1.50	0.00
Mahogany									
5,300.0	12.38	132.44	5,236.8	-332.4	363.5	492.6	1.50	-1.50	0.00
5,400.0	10.88	132.44	5,334.8	-346.0	378.4	512.8	1.50	-1.50	0.00
5,500.0	9.38	132.44	5,433.2	-357.9	391.4	530.4	1.50	-1.50	0.00
5,600.0	7.88	132.44	5,532.1	-368.0	402.5	545.4	1.50	-1.50	0.00
5,700.0	6.38	132.44	5,631.3	-376.4	411.6	557.8	1.50	-1.50	0.00
5,800.0	4.88	132.44	5,730.8	-383.0	418.9	567.6	1.50	-1.50	0.00
5,900.0	3.38	132.44	5,830.5	-387.9	424.2	574.8	1.50	-1.50	0.00
6,000.0	1.88	132.44	5,930.4	-391.0	427.6	579.4	1.50	-1.50	0.00
6,100.0	0.38	132.44	6,030.4	-392.3	429.1	581.4	1.50	-1.50	0.00
6,125.6	0.00	0.00	6,056.0	-392.4	429.1	581.5	1.50	-1.50	0.00
TGR3 - 2-19D-7-20 TGR3									
6,200.0	0.00	0.00	6,130.4	-392.4	429.1	581.5	0.00	0.00	0.00
6,300.0	0.00	0.00	6,230.4	-392.4	429.1	581.5	0.00	0.00	0.00
6,400.0	0.00	0.00	6,330.4	-392.4	429.1	581.5	0.00	0.00	0.00
6,500.0	0.00	0.00	6,430.4	-392.4	429.1	581.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,530.4	-392.4	429.1	581.5	0.00	0.00	0.00
6,700.0	0.00	0.00	6,630.4	-392.4	429.1	581.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,730.4	-392.4	429.1	581.5	0.00	0.00	0.00
6,900.0	0.00	0.00	6,830.4	-392.4	429.1	581.5	0.00	0.00	0.00
7,000.0	0.00	0.00	6,930.4	-392.4	429.1	581.5	0.00	0.00	0.00
7,100.0	0.00	0.00	7,030.4	-392.4	429.1	581.5	0.00	0.00	0.00
7,160.6	0.00	0.00	7,091.0	-392.4	429.1	581.5	0.00	0.00	0.00
Black Shale Facies									
7,200.0	0.00	0.00	7,130.4	-392.4	429.1	581.5	0.00	0.00	0.00
7,240.6	0.00	0.00	7,171.0	-392.4	429.1	581.5	0.00	0.00	0.00
Castle Peak									
7,300.0	0.00	0.00	7,230.4	-392.4	429.1	581.5	0.00	0.00	0.00
7,400.0	0.00	0.00	7,330.4	-392.4	429.1	581.5	0.00	0.00	0.00
7,500.0	0.00	0.00	7,430.4	-392.4	429.1	581.5	0.00	0.00	0.00
7,600.0	0.00	0.00	7,530.4	-392.4	429.1	581.5	0.00	0.00	0.00
7,700.0	0.00	0.00	7,630.4	-392.4	429.1	581.5	0.00	0.00	0.00
7,800.0	0.00	0.00	7,730.4	-392.4	429.1	581.5	0.00	0.00	0.00
7,900.0	0.00	0.00	7,830.4	-392.4	429.1	581.5	0.00	0.00	0.00
8,000.0	0.00	0.00	7,930.4	-392.4	429.1	581.5	0.00	0.00	0.00
8,100.0	0.00	0.00	8,030.4	-392.4	429.1	581.5	0.00	0.00	0.00
8,145.6	0.00	0.00	8,076.0	-392.4	429.1	581.5	0.00	0.00	0.00
Wasatch									
8,200.0	0.00	0.00	8,130.4	-392.4	429.1	581.5	0.00	0.00	0.00
8,300.0	0.00	0.00	8,230.4	-392.4	429.1	581.5	0.00	0.00	0.00
8,400.0	0.00	0.00	8,330.4	-392.4	429.1	581.5	0.00	0.00	0.00
8,500.0	0.00	0.00	8,430.4	-392.4	429.1	581.5	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site Aurora Federal 2-19D-7-20
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 4846.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 4846.0ft (Original Well Elev)
Site:	Aurora Federal 2-19D-7-20	North Reference:	True
Well:	Aurora Federal 2-19D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Aurora Federal 2-19D-7-20		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,600.0	0.00	0.00	8,530.4	-392.4	429.1	581.5	0.00	0.00	0.00
8,700.0	0.00	0.00	8,630.4	-392.4	429.1	581.5	0.00	0.00	0.00
8,800.0	0.00	0.00	8,730.4	-392.4	429.1	581.5	0.00	0.00	0.00
8,900.0	0.00	0.00	8,830.4	-392.4	429.1	581.5	0.00	0.00	0.00
9,000.0	0.00	0.00	8,930.4	-392.4	429.1	581.5	0.00	0.00	0.00
9,100.0	0.00	0.00	9,030.4	-392.4	429.1	581.5	0.00	0.00	0.00
9,200.0	0.00	0.00	9,130.4	-392.4	429.1	581.5	0.00	0.00	0.00
9,300.0	0.00	0.00	9,230.4	-392.4	429.1	581.5	0.00	0.00	0.00
9,400.0	0.00	0.00	9,330.4	-392.4	429.1	581.5	0.00	0.00	0.00
9,500.0	0.00	0.00	9,430.4	-392.4	429.1	581.5	0.00	0.00	0.00
9,600.0	0.00	0.00	9,530.4	-392.4	429.1	581.5	0.00	0.00	0.00
9,700.0	0.00	0.00	9,630.4	-392.4	429.1	581.5	0.00	0.00	0.00
9,800.0	0.00	0.00	9,730.4	-392.4	429.1	581.5	0.00	0.00	0.00
9,900.0	0.00	0.00	9,830.4	-392.4	429.1	581.5	0.00	0.00	0.00
10,000.0	0.00	0.00	9,930.4	-392.4	429.1	581.5	0.00	0.00	0.00
10,100.0	0.00	0.00	10,030.4	-392.4	429.1	581.5	0.00	0.00	0.00
10,200.0	0.00	0.00	10,130.4	-392.4	429.1	581.5	0.00	0.00	0.00
10,300.0	0.00	0.00	10,230.4	-392.4	429.1	581.5	0.00	0.00	0.00
10,400.0	0.00	0.00	10,330.4	-392.4	429.1	581.5	0.00	0.00	0.00
10,500.0	0.00	0.00	10,430.4	-392.4	429.1	581.5	0.00	0.00	0.00
10,600.0	0.00	0.00	10,530.4	-392.4	429.1	581.5	0.00	0.00	0.00
10,645.6	0.00	0.00	10,576.0	-392.4	429.1	581.5	0.00	0.00	0.00
TD - 2-19D-7-20 PBHL									

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
626.0	626.0	Douglas Creek		0.00	
3,889.0	3,881.0	Green River		0.00	
4,310.1	4,286.0	Top UGR Saline Zone		0.00	
4,894.9	4,846.0	Base UGR Saline Zone		0.00	
5,222.2	5,161.0	Mahogany		0.00	
6,125.6	6,056.0	TGR3		0.00	
7,160.6	7,091.0	Black Shale Facies		0.00	
7,240.6	7,171.0	Castle Peak		0.00	
8,145.6	8,076.0	Wasatch		0.00	
10,645.6	10,576.0	TD		0.00	



SURFACE USE AGREEMENT
(PELICAN LAKE FEDERAL 19-13-7-20 WELL)

THIS AGREEMENT Dated December 14, 2010 by and between _____, whose address is _____, **Pelican Lake Farms, LLC** P.O. Box 833, Meeker, CO 81641, hereinafter referred to as "Surface Owner", and **ELK RESOURCES, LLC**, whose address is 1401 17TH STREET, SUITE 700, DENVER, CO 80202 hereinafter referred to as "Operator".

WITNESSETH:

WHEREAS, Surface Owner represents that they are the owners in fee and in possession of the surface estate for the following described lands in **Uintah** County, **Utah**, hereinafter referred to as "Lands", to wit:
A Tract of land lying in the **NWNE of Section 19, Township 7 South, Range 20 East**, containing 4.081 acres more or less, as further described on Exhibit "A" attached hereto and made a part hereof.

WHEREAS, Operator has or will acquire certain leasehold interests in the oil and gas mineral estate in the Lands and proposes to conduct drilling and subsequent production operations on the Lands; and

WHEREAS, Surface Owner is generally aware of the nature of the operations which may be conducted under oil and gas leases covering the mineral estate of the Lands; and

WHEREAS, the parties believe that it is in their mutual best interest to agree to the amount of damages to be assessed incident to the operations of Operator on the premises in the exploration for, development and production of oil, gas and/or other leasehold substances under the terms of those certain oil and gas leases now owned or which may be acquired by Operator covering portions of the mineral estate of the Lands; and,

WHEREAS, the parties believe that a reasonable estimate can be made of the damages which will result from the exploration, development and production operations contemplated by such oil and gas leases.

NOW, THEREFORE, in consideration of ten dollars and other valuable consideration, the sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Operator has the right of ingress and egress and to the use of those portions of the Lands which it requires for oil and gas exploration, development and production operations, including tank batteries and other production facilities and the transportation of produced substances from the leasehold, and also the right to construct and use roads and pipelines across portions of the Lands. Operator shall pay Surface Owner as liquidated damages the following sum as full settlement and satisfaction of all damages growing out of, incident to, or in connection with the usual and customary exploration, drilling, completion, sidetracking, reworking, equipping and production operations, contemplated by the oil and gas leases covering the Lands, unless otherwise specifically provided herein:

3. It is the intention of the parties hereto to cause as little interference with farming operations on the leased premises as reasonably possible, including but specifically not limited to the operation of any pivotal irrigation sprinkler system, or any other irrigation method. If any circular irrigation sprinkler system is in use at the time of initial drilling operations on the leased premises, then any subsequent production equipment, including but specifically not limited to pump jacks, hydraulic lifting equipment, or any other equipment necessary to produce any oil or gas from such well, shall be recessed to such depths, or ramps constructed, so as to allow the continued use of such circular irrigation system.



4. In the event any well hereunder is plugged and abandoned, Operator agrees that Operator will, within a reasonable time, restore Surface Owner's surface estate as near as practical to its original condition found prior to Operator's operations. It is understood and agreed that Surface Owner may elect in writing, prior to cessation of operations of Operator, to have any road constructed under the terms of this Agreement remain upon the property, in which event Operator agrees to leave such road or roads in reasonable condition.

5. Operator is responsible for acquiring all necessary permits, licenses, fees, etc. incident to its operations on the Lands.

6. In the event Surface Owner considers that Operator has not complied with all its obligations hereunder, both express and implied, Surface Owner shall notify Operator in writing, setting out specifically in what respects Operator has breached this contract. Operator shall then have sixty (60) days to meet or commence to meet all or any part of the breaches alleged by Surface Owner. The service of said notice shall be precedent to the bringing of any action by Surface Owner for any cause, and no such action shall be brought until the lapse of sixty (60) days after service of such notice on Operator. In the event of litigation, the prevailing party's reasonable attorney's fees will be paid by the opposing party.

7. Operator shall be responsible and shall remain liable for any environmental problems on the subject lands which are caused by or through its operations. To the extent that any such claims are asserted, Operator will be responsible for any remediation required as provided by state regulations. This assumption of liability, however, does not include any third-party operations on the subject lands or any Surface Owner actions which could cause environmental problems but is limited solely to the actions of Operator. Operator hereby indemnifies and holds harmless Surface Owner from any and all environmental problems it causes on the Lands.

8. In the event Surface Owner owns less than the entire fee interest in the Lands, then any payment stated herein shall be proportionately reduced to the interest owned.

9. This Agreement shall remain in full force and effect from the date hereof and for so long thereafter as Operator's oil and gas operations affecting the Lands are in effect.

10. When the word "Operator" is used in this Agreement, it shall also mean the successors and assigns of Operator, including but not limited to its employees and officers, agents, affiliates, contractors, subcontractors and/or purchasers.

11. This Agreement shall be binding upon and inure to the benefit of the heirs, successors and assigns of the parties.

SURFACE OWNER:

Bryce W. Purkey
By: Bryce W. Purkey, Managing Partner of
Pelican Lake Farms, LLC

12-15-10

SS/Tax ID# 524-38-3712

STATE of Utah

ACKNOWLEDGEMENT-INDIVIDUAL

COUNTY of Uintah

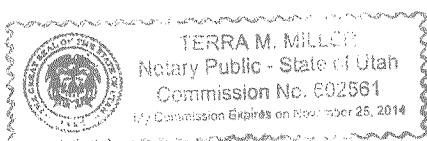
BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this 15th day of December, 2010, personally appeared Bryce W. Purkey, Managing Partner of Pelican Lake Farms, LLC

_____, to me known to be the identical person _____ that _____ he _____ duly executed same as his free and voluntary act and deed for the uses and purposes therein set forth and in the capacity stated therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

My Commission Expires: November 25, 2014

Terra M. Miller
Notary Public



PIPELINE RIGHT-OF-WAY AGREEMENT

STATE OF UTAH }
 }
COUNTY OF }

Cox Brothers Farms, Inc. whose address is HC 69 Box 144, Randlett, UT 84063

("GRANTOR"), the receipt and sufficiency of which is hereby acknowledge, does hereby grant to **Aurora Gathering, LLC** of **1099 18th Street, #2300, Denver, CO 80202** ("GRANTEE"), its successors or assigns, a right-of-way to construct, maintain and use a pipeline along with the right to alter, inspect, repair, replace, change the size of, operate, and remove a pipeline and from time to time add additional pipeline or multiple pipelines, drips, valves, cathodic equipment, and all appurtenances convenient for the maintenance and operation of said lines and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said lands for any purpose necessary or incidental to the operating and maintaining said pipeline or pipelines owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantor in **Uintah** County, State of Utah, to-wit:

Township 7 South, Range 20 East, SLM
Section 19: A portion of the N/2NE/4
Section 20: A portion of the NW/4NW/4

As further described on Exhibit "A" attached hereto and made a part hereof.

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns.

Grantee to have the right to select, change or alter the routes of all pipelines herein authorized to be laid under, upon, over and through the above described premises. Grantor shall not place anything over or so close to any pipeline or other facility of Grantee as will be likely to interfere with Grantee's access thereto by use of equipment of means customarily employed in the maintenance of pipelines. Grantee to pay for all damage to growing crops, drainage tile and fences of Grantor arising out of the construction or repair of any of the pipelines and facilities herein authorized to be maintained and operated by Grantee. This easement shall not exceed Sixty (60) feet in width for construction and Thirty (30) feet for the permanent easement. Pipelines and disturbed ground to be reseeded at recommended seeding rates per Grantor once cleanup is completed.

The foregoing sets out the entire agreement between Grantor and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below. This agreement shall not act to modify or diminish operator's rights and privileges under any oil and gas leases owned by Operator covering all or any portion of the above described lands.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless **Aurora Gathering, LLC**, its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

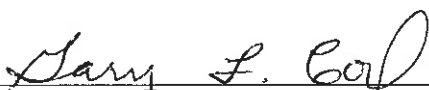
Grantor shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee's exercise of the rights herein granted.

This agreement shall terminate within six (6) months after cessation of use by Grantee. Following completion of the pipeline, Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

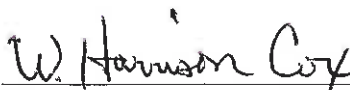
This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above.

IN WITNESS WHEREOF, the GRANTOR and GRANTEE herein named have hereunto set their hand and seal this 25 day of Jan, 2012.

GRANTOR:
Cox Brothers Farms, Inc.



Gary L. Cox, President, Director



W. Harrison Cox, Vice-President, Director

ACKNOWLEDGEMENT

STATE OF Utah)
 COUNTY OF Uintah) SS

On the 25th day of January, 2012, before me the undersigned authority, appeared **Gary L. Cox**, to me personally known, who, being sworn, did say that they are the President and Director for Cox Brothers Farms, Inc., and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.



Terra M. Miller
 Notary Public for the State of

Residing at Vernal, UT

ACKNOWLEDGEMENT

STATE OF Utah)
 COUNTY OF Uintah) SS

On the 25th day of January, 2012, before me the undersigned authority, appeared **W. Harrison Cox**, to me personally known, who, being sworn, did say that they are the Vice-President and Director for Cox Brothers Farms, Inc., and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.



Terra M. Miller
 Notary Public for the State of

Residing at Vernal, UT

ACKNOWLEDGEMENT

STATE OF _____)
 COUNTY OF _____) SS

On the ____ day of _____, 20____, before me the undersigned authority, appeared **Huntington T. Walker**, to me personally known, who, being sworn, did say that they are the Senior Vice President Land for Aurora Gathering, LLC, and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.

 Notary Public for the State of

SURFACE USE PLAN

BILL BARRETT CORPORATION

Aurora Federal #2-19D-7-20

NW NE, 265' FNL and 2402' FEL, Section 19, T7S-R20E, SLB&M (surface hole)

NW NE, 660' FNL and 1980' FEL, Section 19, T7S-R20E, SLB&M (bottom hole)

Uintah County, Utah

The onsite inspection for this pad occurred on May 31, 2011. Site specific conditions or changes as a result of that onsite are indicated below. Plat changes requested at the onsite are reflected within this APD.

- a) The cottonwood trees along the fence line, between the property line and the well will be left alone per the surface owner's request. The Russian Olive and Tamarisk trees will be removed.
- b) The pad is located 40' east of the fence line and it is okay to fence across 40' to minimize fencing the west side of the pad.
- c) 20 mil pit liner will be installed.
- d) Install cattleguard as proposed access leaves county road.

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

- a. The proposed well site is located approximately 25.2 miles southwest of Vernal, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The existing Uintah County maintained 16500 West from UDOT maintained SR-88 would be utilized for 2.2 miles, trending west to Uintah County maintained 14500 East then trending south to 6000 South that would be utilized for 0.5 miles trending east to the planned new access road.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.

Bill Barrett Corporation
Surface Use Plan
Aurora Federal #2-19D-7-20
Uintah County, UT

- e. The use of roads under State and Uintah County Road Department maintenance are necessary to access the project area with no improvements proposed. A Uintah County Encroachment Permit has been obtained.
- f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 32 feet of new access road to be constructed is proposed (see Topographic Map B).
- b. The planned access road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed.

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Surface Use Plan
Aurora Federal #2-19D-7-20
Uintah County, UT

- i. No culverts and no low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
 - j. One cattleguard will be installed at the fenceline near the pad entrance as shown on Topographic Map B.
 - k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
 - l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
 - m. The operator would be responsible for all maintenance needs of the new access road.
3. Location of Existing Wells (see One-Mile Radius Map):
 - a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:

i. water wells	none
ii. injection wells	none
iii. disposal wells	none
iv. drilling wells	none
v. temp shut-in wells	none
vi. producing wells	one
vii. abandoned wells	one
4. Location of Production Facilities
 - a. Surface facilities would consist of a wellhead, separator, gas meter, combustor, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or ESP or gas lift unit, electrical or with a natural gas or diesel fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.
 - b. Most wells would be fitted with a pump jack or Roto-flex unit or ESP or gas lift to assist liquid production. The prime mover for pump jacks or Roto-flex units would be small (100 horsepower or less), electric motor or natural gas or diesel fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 25 ft pad and the prime mover would be a natural gas-fired internal

Bill Barrett Corporation
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Aurora Federal #2-19D-7-20
Uintah County, UT

combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by electricity.

- c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.
- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 3062 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 12 inch in diameter, one water line up to 8 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending east to an existing pipeline corridor. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the existing pipeline servicing nearby BBC wells. The pipeline crosses entirely private surface.
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- i. All permanent above-ground structures would be painted a flat, non-reflective color, such as Covert Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- j. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.

Bill Barrett Corporation
 Surface Use Plan
 Aurora Federal #2-19D-7-20
 Uintah County, UT

- k. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

- a. Water for the drilling and completion would be trucked from any of the following locations:

Water Right No. and Application or Change No.	Applicant	Allocation	Priority Date	Point of Diversion	Source
49-1645 (A35800)	RN Industries, Inc.	50 ac-ft	4/10/2011	Sec 9, T8S- R20E	Underground Well
49-2336 (t78808)	RN Industries, Inc.	20 ac-ft	4/7/2011	Sec 33, T8S-R20E	Green River
43-8496 (A53617)	A-1 Tank Rental	0.015 cfs	8/17/1979	Sec 32, T4S-R3E	Underground Well
43-10288 (A65273)	Nile Chapman (RNI)	0.45 ac-ft	4/4/1991	Sec 9, T2S- R2W	Underground Well

- b. No new water well is proposed with this application.
- c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.

6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be removed from the lease or EDA area.
- c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve would be lined with 20 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite

Bill Barrett Corporation
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if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.

- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

Disposal Facilities	
1. LaPoint Recycle & Storage – Sec. 12, T5S-R19E	
2. Dalbo, Inc. Ace Disposal, Sec. 35, T5S-R20W & Sec. 2, T6S-R20W	

- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO₂ gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain

Bill Barrett Corporation
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portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.

- k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
- l. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
- m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.
- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
- c. A surface powerline corridor is proposed for installation by a third-party installer. All necessary permits will be obtained by the contractor.

Bill Barrett Corporation
Surface Use Plan
Aurora Federal #2-19D-7-20
Uintah County, UT

9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 400 feet x 300 feet with an inboard reserve pit size of 100 feet x 225 feet x 10 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. A site specific reclamation plan would be submitted, if requested, within 90 days of location construction to the surface managing agency or the fee landowners.

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Uintah County, UT

- b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the seed mix specified by the surface owner.
- f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the surface owner prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

- a. Surface ownership –
 - Pelican Lake Farms (Wellpad and Access Road)
P.O. Box 833 Meeker, CO 81641
970-878-4331 (Bryce Purkey)
 - Cox Brothers Farms (Pipeline)
HC 69 Box 144 Randlett, UT 84063
208-431-5541 (Gary Cox)
208-589-3710 (Harrison Cox)
- b. Mineral ownership – Federal under the management of the BLM – Vernal Field Office.

Bill Barrett Corporation
 Surface Use Plan
 Aurora Federal #2-19D-7-20
 Uintah County, UT

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as report 11-245 dated September 26, 2011 and report 12-016 dated March 5, 2012.
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
 - No dogs or firearms within the Project Area.
 - No littering within the Project Area.
 - Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders.
 - Campfires or uncontained fires of any kind would be prohibited.
 - Portable generators used in the Project Area would have spark arrestors.
- d. Disturbance estimates:

Approximate Acreage Disturbances

Well Pad		4.081	acres
Access	32 feet	0.022	acres
Pipeline	3062 feet	2.108	acres
Total		6.211	acres

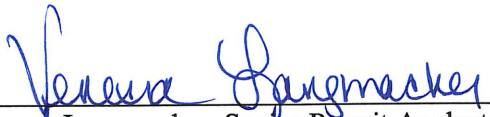
Bill Barrett Corporation
Surface Use Plan
Aurora Federal #2-19D-7-20
Uintah County, UT

OPERATOR CERTIFICATION

Certification:

I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

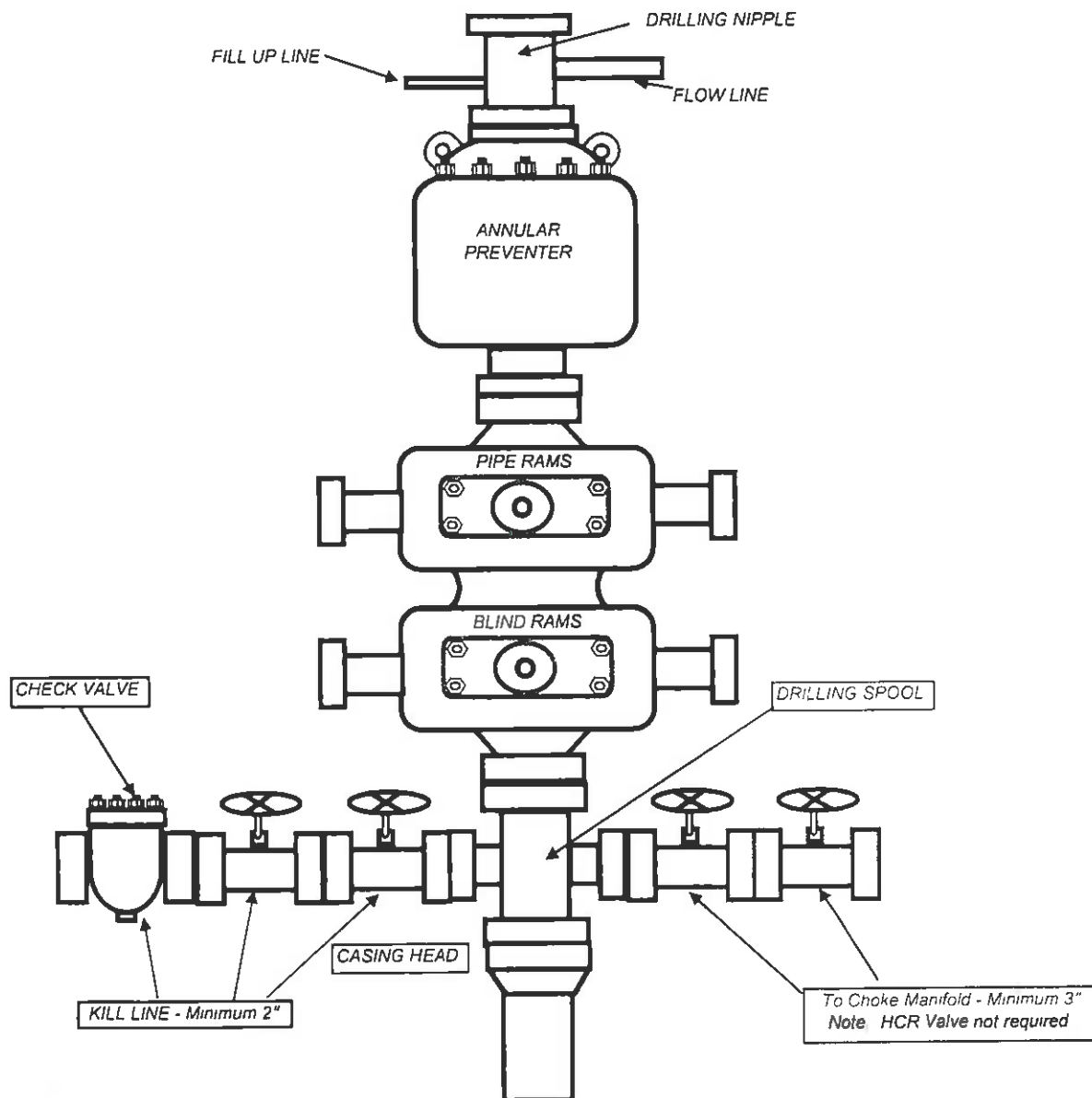
Executed this 3rd day of May 2012
Name: Venessa Langmacher
Position Title: Senior Permit Analyst
Address: 1099 18th Street, Suite 2300, Denver, CO 80202
Telephone: 303-312-8172
E-mail: vlangmacher@billbarrettcorp.com
Field Representative Kary Eldredge / Bill Barrett Corporation
Address: 1820 W. Highway 40, Roosevelt, UT 84066
Telephone: 435-725-3515 (office); 435-724-6789 (mobile)
E-mail: keldredge@billbarrettcorp.com



Venessa Langmacher, Senior Permit Analyst

BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER





May 3, 2012

Utah Division of Oil, Gas and Mining
Attention: Dustin Doucet
1594 West North Temple, Suite 1120
Salt Lake City, Utah

RE: Commingling Application
Aurora Deep Unit
Aurora Federal 2-19D-7-20
NWNE Section 19, T7S-R20E
Uintah County, UT

Dear Mr. Doucet,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well located in the Aurora Deep Unit. In compliance with Utah OGM regulation R649-3-22, BBC has enclosed copies of the completed application.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

Venessa Langmackey
for

Thomas J. Abell
Landman

Enclosures



AFFIDAVIT OF NOTICE

My name is Thomas J. Abell. I am a Landman with Bill Barrett Corporation (BBC). BBC has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within the Aurora Deep Field:

Aurora Federal 2-19D-7-20 located in T7S-R20E: NWNE of Section 19

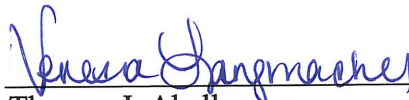
In compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the application, by certified mail, to the owners as listed below of all contiguous oil and gas Leases or drilling units overlying the pool.

Lessees

EnCana Oil & Gas (USA) Inc.

Date: May 3, 2012

Affiant:



Thomas J. Abell
Landman



May 3, 2012

EnCana Oil & Gas (USA), Inc.
Attn: Judy Tatham
370 17th Street, Suite 1700
Denver, CO 80202

RE: Commingling Application
Aurora Federal 2-19D-7-20
Uintah County, UT

Dear Ms. Tatham,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

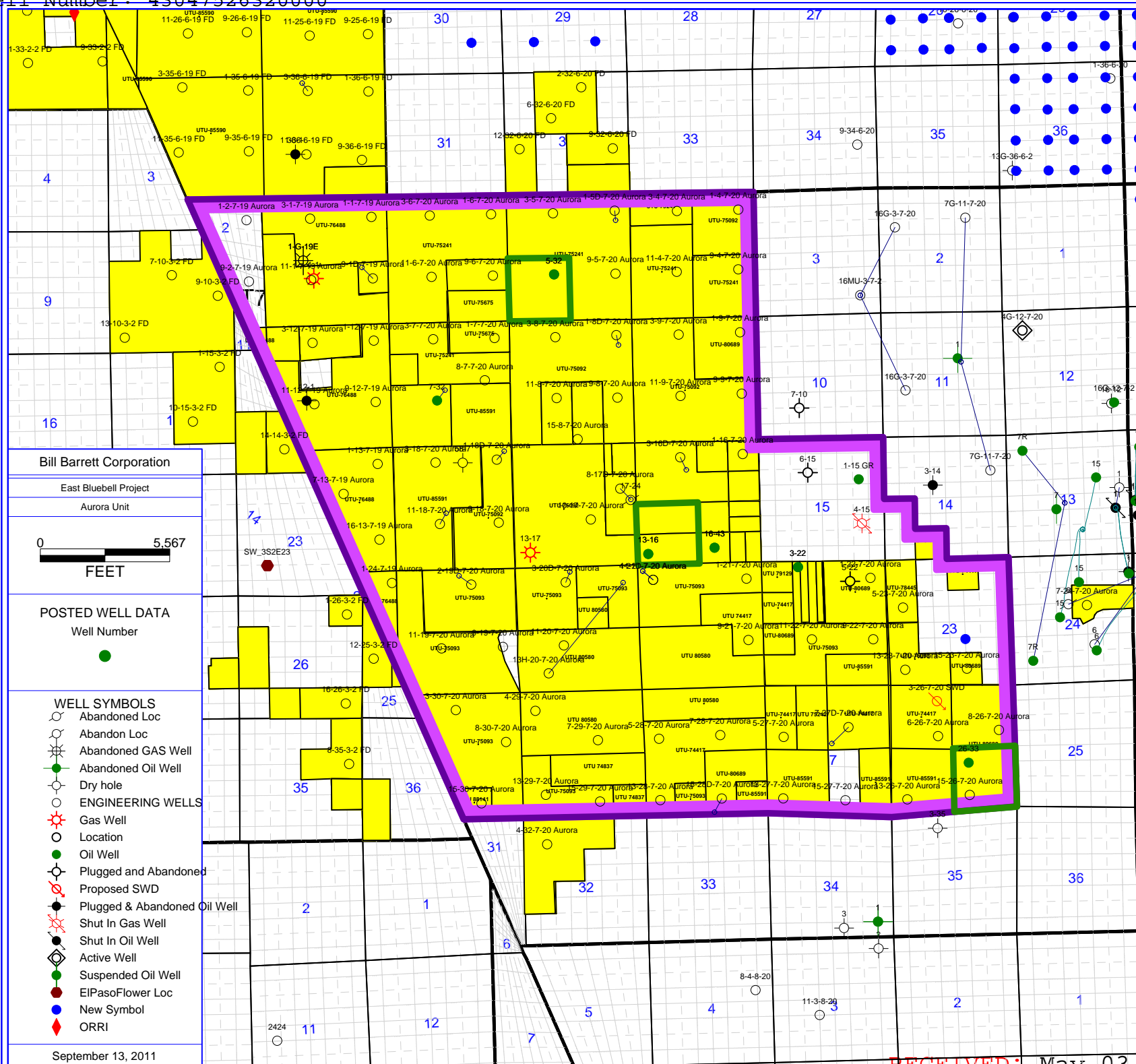
Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION



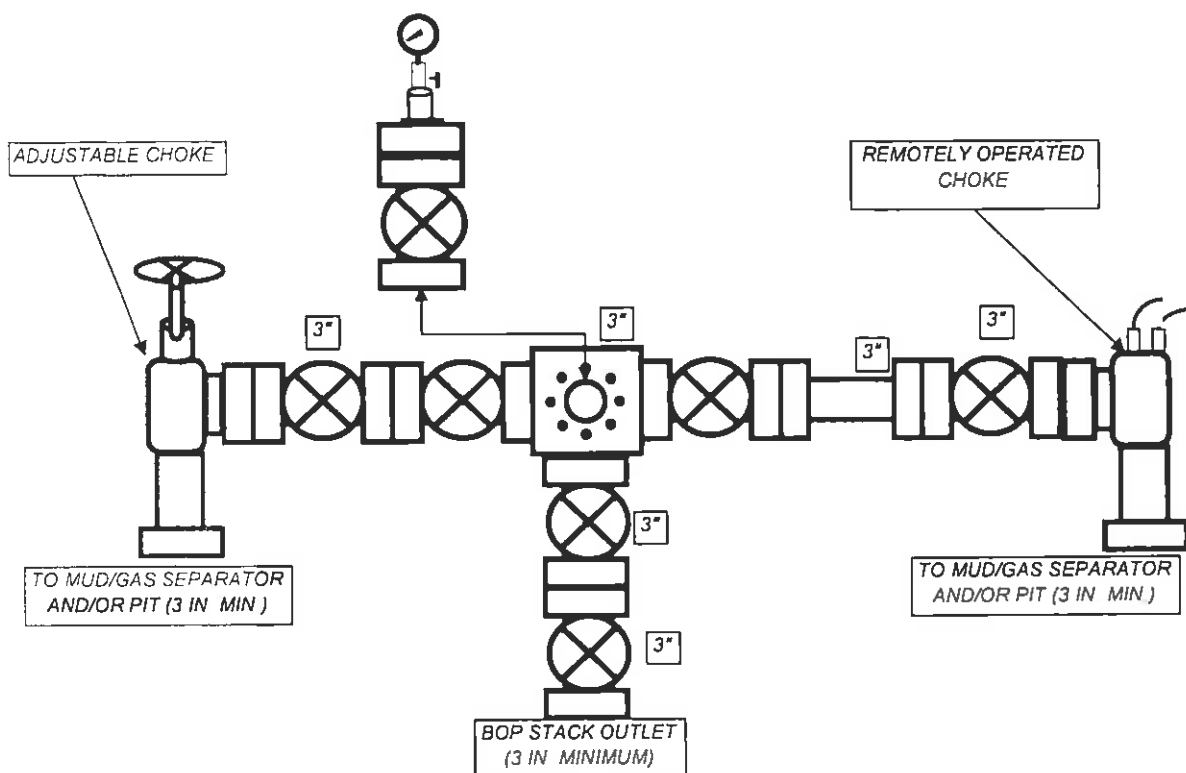
Thomas J. Abell
Landman

Enclosures



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





Bill Barrett Corporation

May 3, 2012

Ms. Diana Mason – Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Directional Drilling **Aurora Federal 2-19D-7-20**

East Bluebell Area

Surface: 265' FNL, 2402' FEL, NWNE, 19-T7S-R20E SLM
Bottom Hole: 660' FNL, 1980' FEL, NWNE, 19-R7S-R20E SLM
Uintah County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our East Bluebell Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under UTU-75093.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with EnCana, we own 100% of the working interest in these lands.
- Attached is Encana's consent to the directional drilling of this well.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-299-9935.

Sincerely,

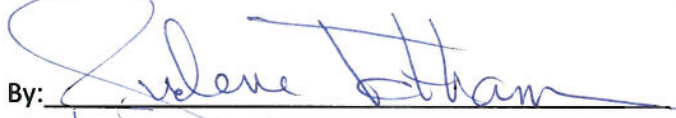
Thomas Abell
Landman

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.293.9100



☒ Encana consents to the directional drilling of Aurora Federal 2-19D-7-20

☐ Encana does NOT consent to the directional drilling of Aurora Federal 2-19D-7-20

By: 

Title: Lead Negotiator Date: 3/19/2012

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

AURORA FEDERAL #2-19D-7-20
SECTION 19, T7S, R20E, S.L.B.&M.
265' FNL 2402' FEL

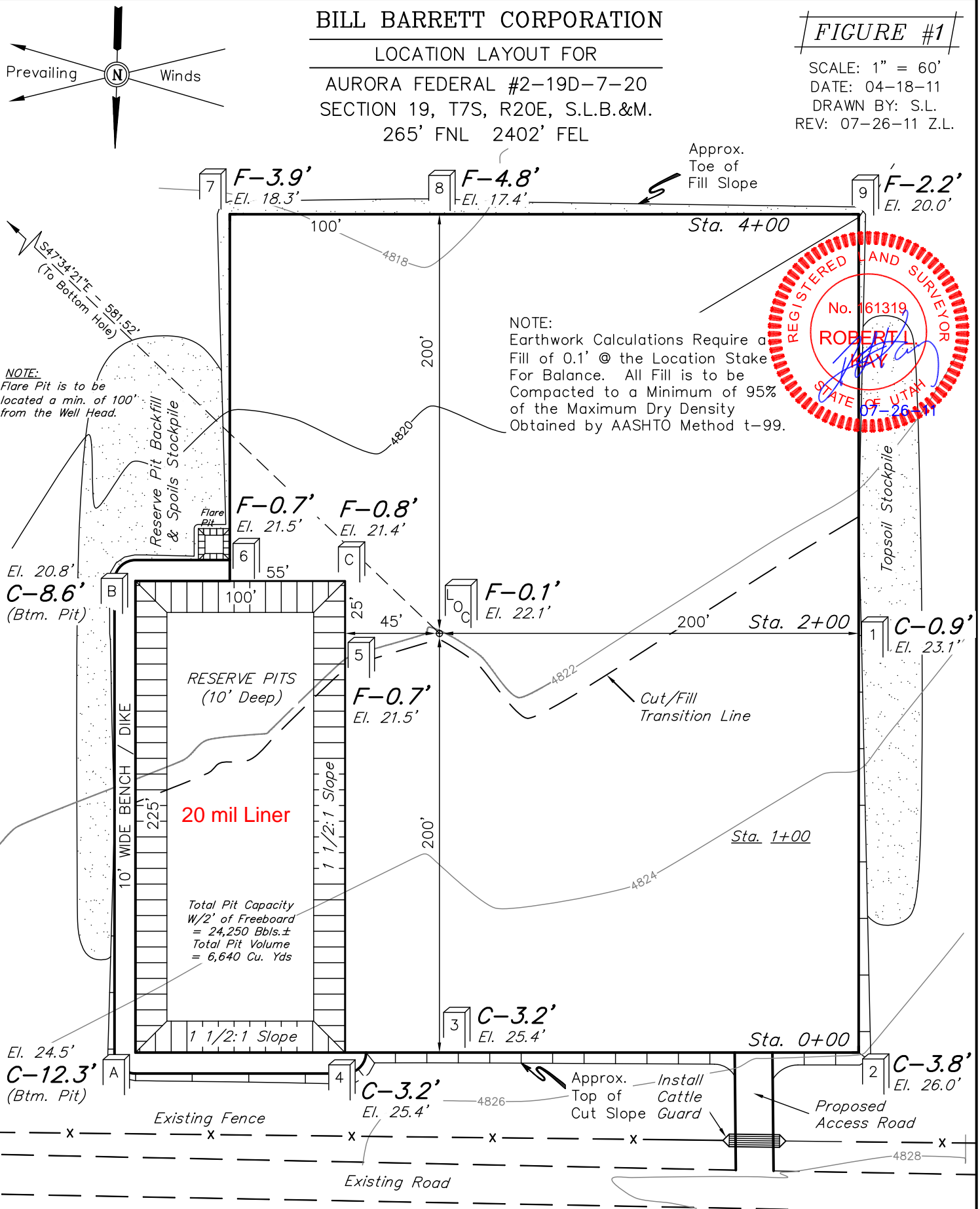
FIGURE #1

SCALE: 1" = 60'

DATE: 04-18-11

DRAWN BY: S.L.

REV: 07-26-11 Z.L.



Elev. Ungraded Ground At Loc. Stake = **4822.1'**
FINISHED GRADE ELEV. AT LOC. STAKE = **4822.2'**

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: May 03, 2012

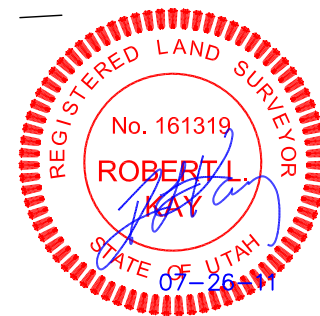
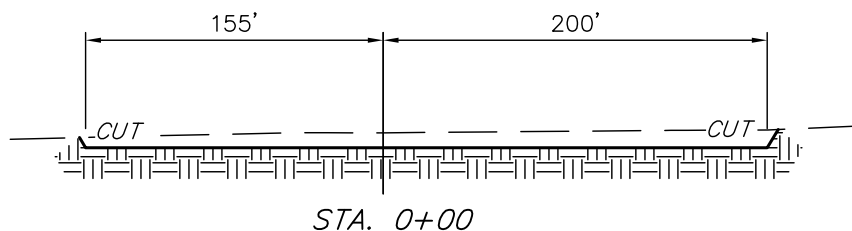
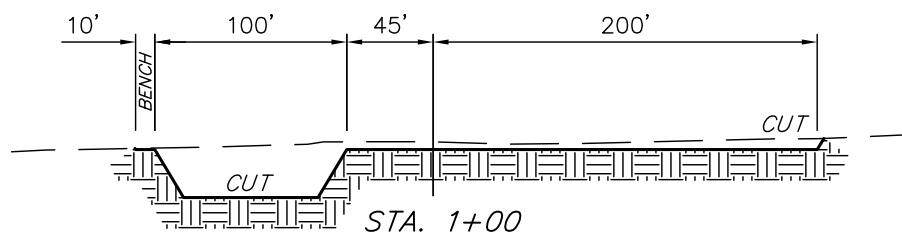
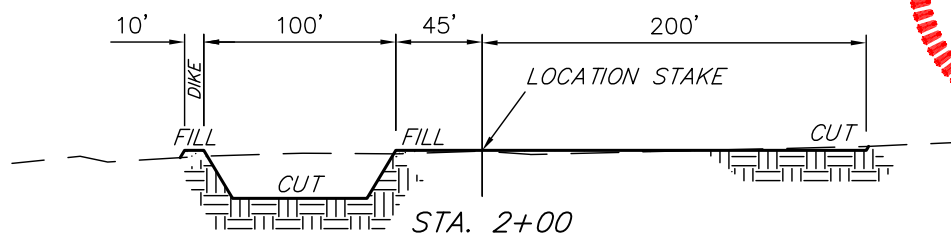
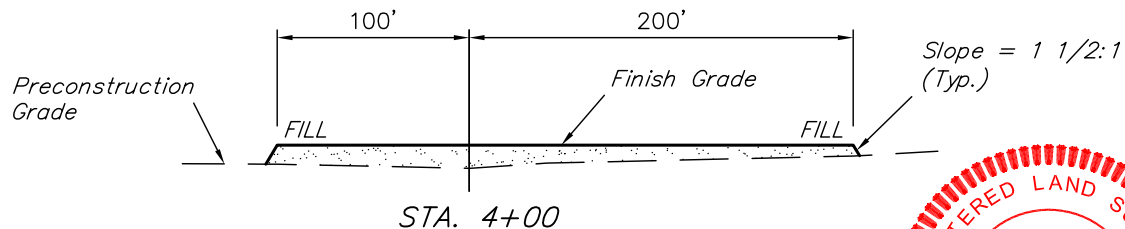
BILL BARRETT CORPORATION**TYPICAL CROSS SECTIONS FOR**

AURORA FEDERAL #2-19D-7-20
SECTION 19, T7S, R20E, S.L.B.&M.
265' FNL 2402' FEL

FIGURE #2

X-Section
 Scale
 1" = 100'

DATE: 04-18-11
 DRAWN BY: S.L.
 REV: 07-26-11 Z.L.

**NOTE:**

Topsoil should not be
 Stripped Below Finished
 Grade on Substructure Area.

*** NOTE:**
 FILL QUANTITY INCLUDES
 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,640 Cu. Yds.
 Remaining Location = 9,300 Cu. Yds.
TOTAL CUT = 11,940 CU.YDS.
FILL = 5,980 CU.YDS.

EXCESS MATERIAL = 5,960 Cu. Yds.
 Topsoil & Pit Backfill = 5,960 Cu. Yds.
 (1/2 Pit Vol.)
 EXCESS UNBALANCE = 0 Cu. Yds.
 (After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: May 03, 2012

BILL BARRETT CORPORATION

TYPICAL RIG LAYOUT FOR

AURORA FEDERAL #2-19D-7-20
SECTION 19, T7S, R20E, S.L.B.&M.
265' FNL 2402' FEL

FIGURE #3

SCALE: 1" = 60'

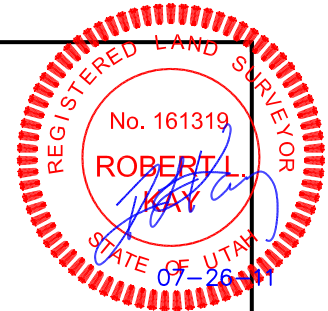
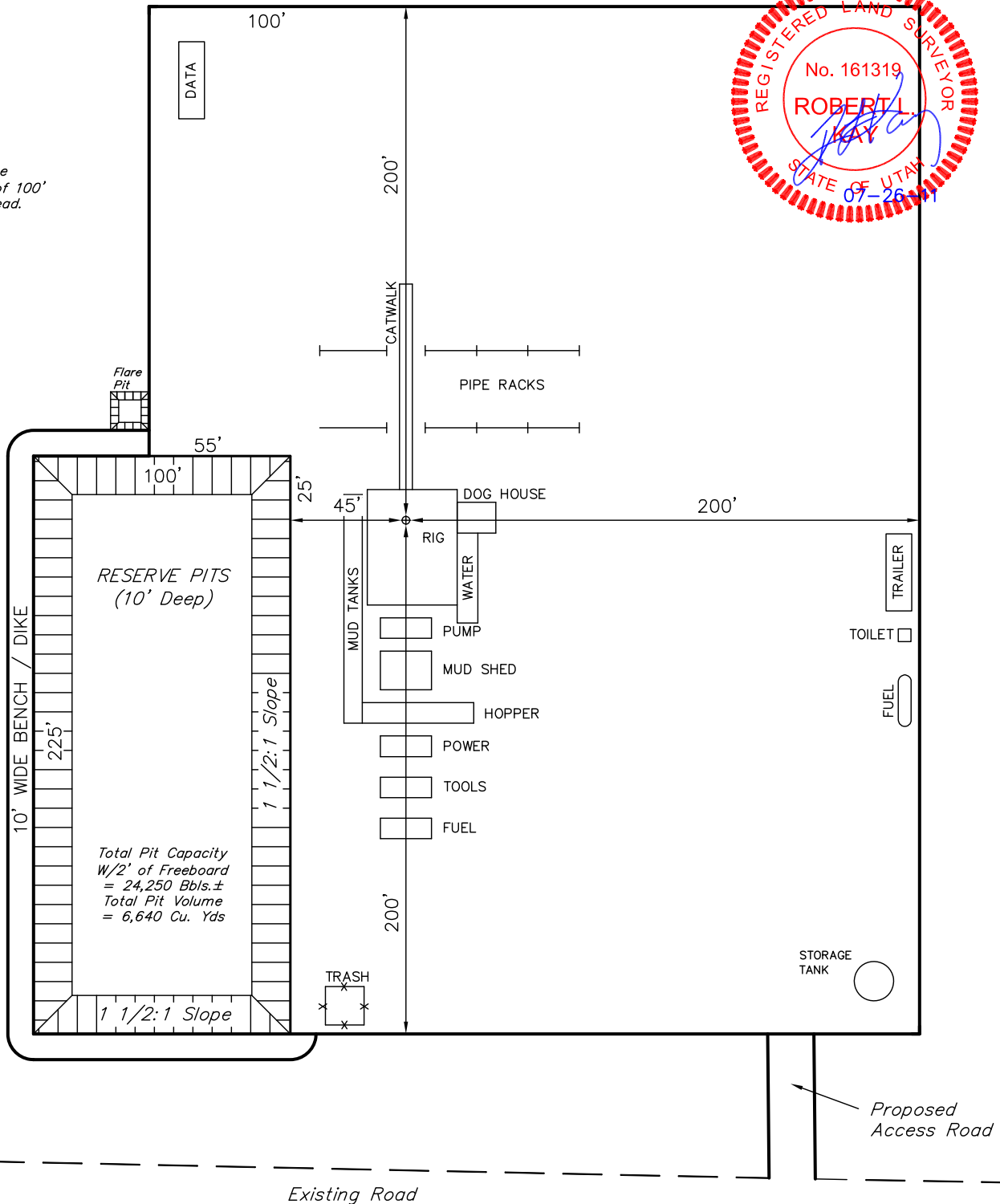
DATE: 04-18-11

DRAWN BY: S.L.

REV: 07-26-11 Z.L.



NOTE:
Flare Pit is to be
located a min. of 100'
from the Well Head.



UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: May 03, 2012

BILL BARRETT CORPORATION

INTERIM RECLAMATION PLAN FOR
 AURORA FEDERAL #2-19D-7-20
 SECTION 19, T7S, R20E, S.L.B.&M.
 265' FNL 2402' FEL

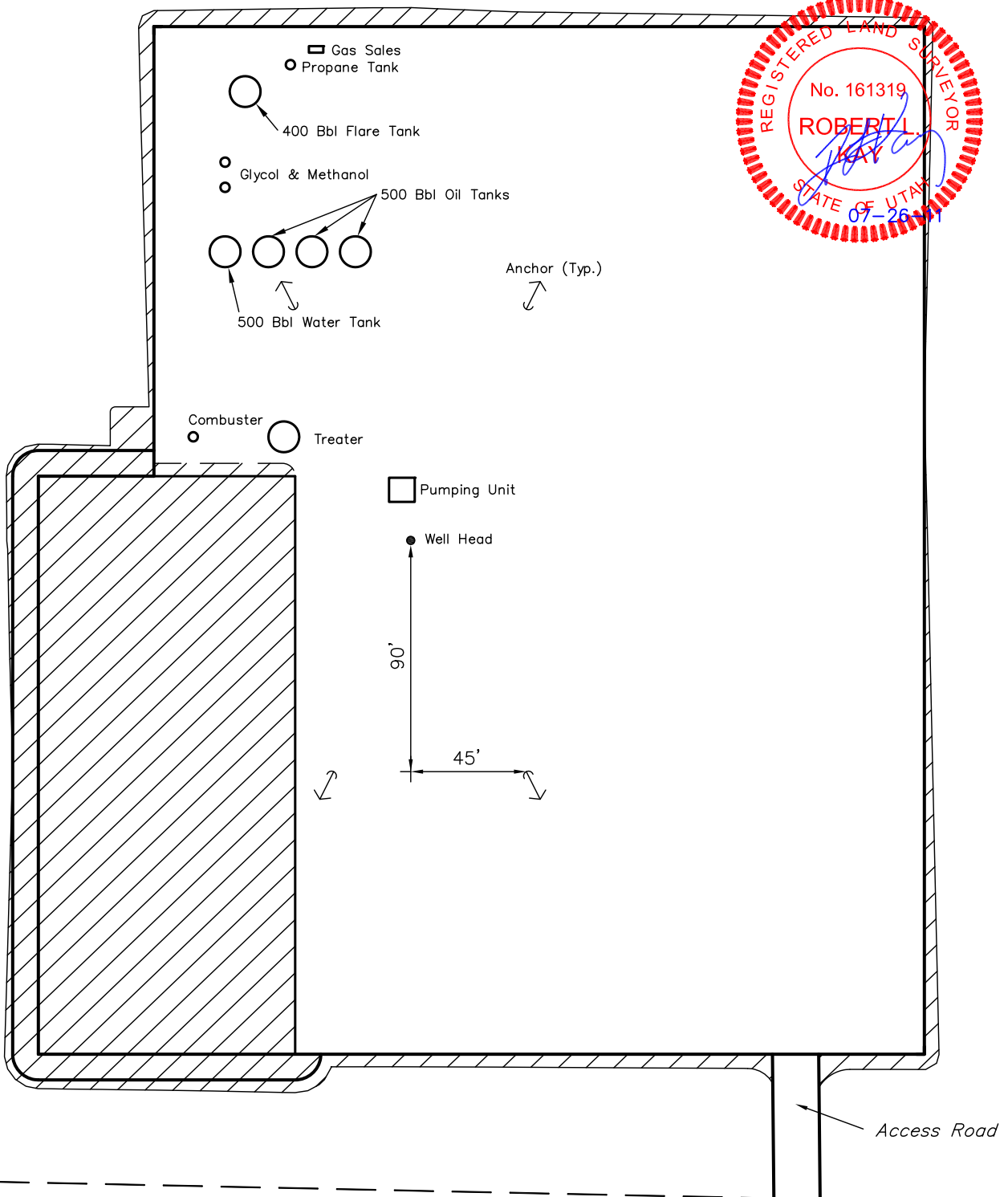
FIGURE #4

SCALE: 1" = 60'

DATE: 04-18-11

DRAWN BY: S.L.

REV: 07-26-11 Z.L.



Existing Road

APPROXIMATE ACREAGES

UN-RECLAIMED = ± 2.465 ACRES

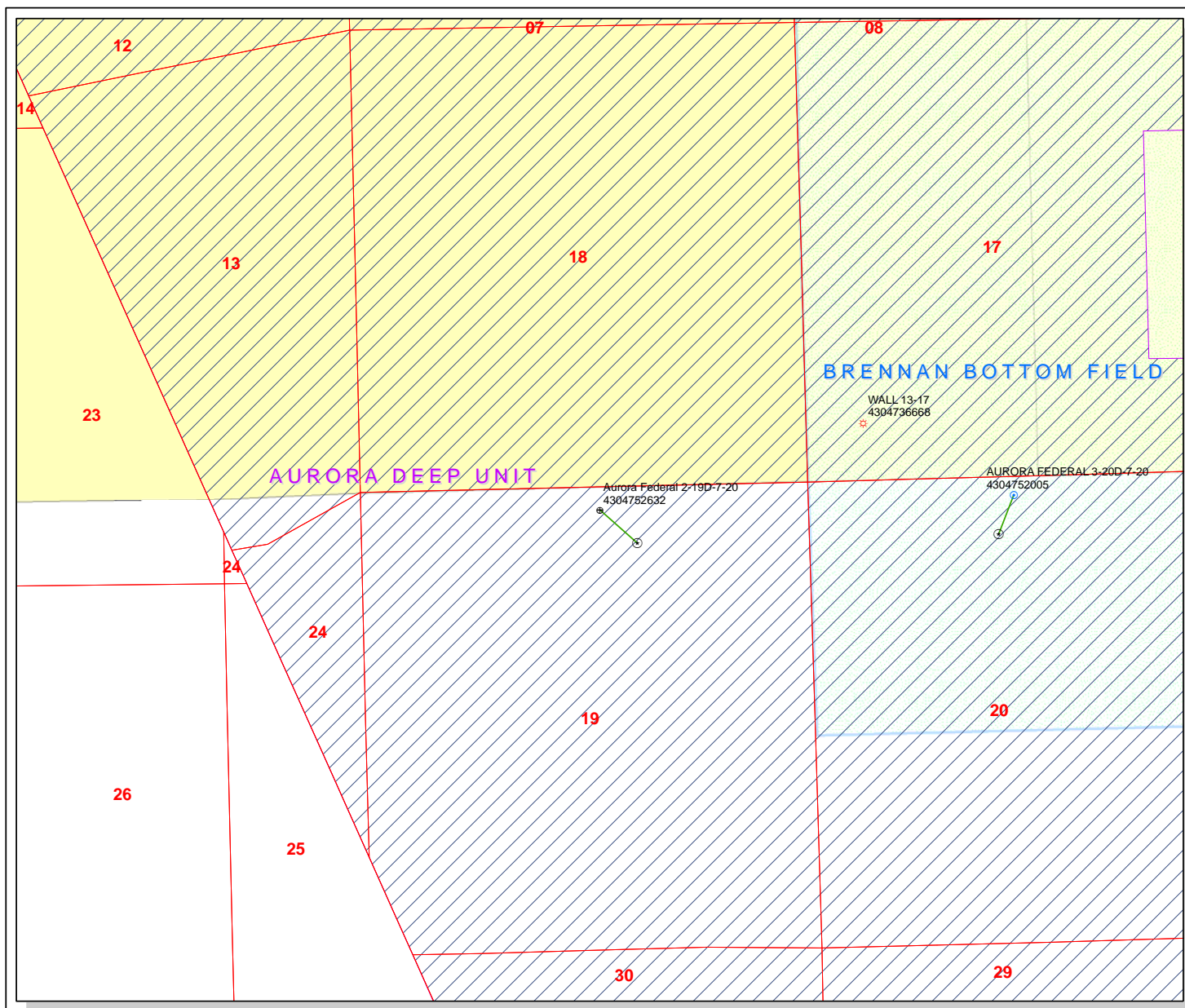


INTERIM RECLAMATION

UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

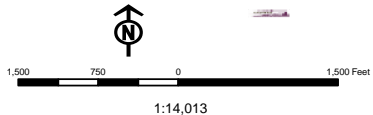
RECEIVED: May 03, 2012



API Number: 4304752632
Well Name: Aurora Federal 2-19D-7-20
Township T0.7 . Range R2.0 . Section 19
Meridian: SLBM
Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason

Units STATUS	Wells Query Status
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERM	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
Fields STATUS	SGW - Shut-in Gas Well
Unknown	SOW - Shut-in Oil Well
ABANDONED	TA - Temp. Abandoned
ACTIVE	TW - Test Well
COMBINED	WDW - Water Disposal
INACTIVE	WW - Water Injection Well
STORAGE	WSW - Water Supply Well
TERMINATED	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

May 14, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2012 Plan of Development Aurora (Deep) Unit,
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Aurora (Deep) Unit, Uintah County, Utah.

API #	LOCATION	WELL NAME
(Proposed PZ GREEN RIVER-WASATCH)		
43-047-52632	Aurora 2-19D-7-20	Sec 19 T07S R20E 0265 FNL 2402 FEL BHL Sec 19 T07S R20E 0660 FNL 1980 FEL
43-047-52633	Aurora 4-21D-7-20	Sec 21 T07S R20E 0267 FNL 0223 FWL BHL Sec 21 T07S R20E 0660 FNL 0660 FWL
43-047-52642	Aurora 7-27D-7-20	Sec 27 T07S R20E 2495 FNL 2491 FEL BHL Sec 27 T07S R20E 1980 FNL 1980 FEL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2012.05.14 12:21:32 -0600

bcc: File - Aurora Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:5-14-12

RECEIVED: May 15, 2012

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name Aurora Federal 2-19D-7-20
API Number 43047526320000 **APD No** 5816 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 NWNE **Sec** 19 **Tw** 7.0S **Rng** 20.0E 265 FNL 2402 FEL
GPS Coord (UTM) **Surface Owner** Pelican Lake Farms, LLC

Participants

Don Hamilton (permit contractor), Kary Eldredge (BBC), Cody Rich (surveyor), Davie Stokes (EIS)

Regional/Local Setting & Topography

This location sits approximately .75 mile north west of Pelican Lake in Ouray Park. The land in this area slopes gradually toward Pelican lake. Vernal Utah is approximately 26 miles by road to the north east.

Surface Use Plan

Current Surface Use

Grazing

**New Road
Miles**

0.006

Well Pad

Width 300 **Length** 400

Src Const Material

Offsite

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate? N

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Used for cattle grazing

Grease wood, desert grasses, Tamarisk

Soil Type and Characteristics

Sandy loam soil

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit**Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	25 to 75	15
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5

Affected Populations

Presence Nearby Utility Conduits	Not Present	0
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Final Score	35	1 Sensitivity Level
--------------------	----	---------------------

Characteristics / Requirements

Will require closed loop.

Closed Loop Mud Required? Y	Liner Required?	Liner Thickness	Pit Underlayment Required?
------------------------------------	------------------------	------------------------	-----------------------------------

Other Observations / Comments

Richard Powell
Evaluator

6/19/2012
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
5816	43047526320000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	Pelican Lake Farms, LLC	
Well Name	Aurora Federal 2-19D-7-20		Unit	AURORA (DEEP)	
Field	UNDESIGNATED		Type of Work	DRILL	
Location	NWNE 19 7S 20E S 265 FNL (UTM) 609663E 4451033N		2402 FEL GPS Coord		

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Federal Government. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill
APD Evaluator

7/11/2012
Date / Time

Surface Statement of Basis

This well is on fee surface owned by Cox Brothers Farms. The land owners were not present but had passed on a request that the cottonwood trees around location not be disturbed but all the Russian olives and tamarisk should be removed. Due to the close proximity to Pelican Lake this well will require a closed loop system. Also this pad will require berm to keep fluids from leaving the location. The berm will be made from road base brought in from a gravel pit. This well sits in a relatively unused corner away from a nearby pivot irrigated field and appears to be a reasonable location for this well.

Visited site with Scott Hacking of the DEQ on 7/20/2012. Mr. Hacking requested that this location be bermed due to close proximity to Pelican Lake.

Richard Powell
Onsite Evaluator

6/19/2012
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A closed loop mud circulation system is required for this location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/3/2012

API NO. ASSIGNED: 43047526320000

WELL NAME: Aurora Federal 2-19D-7-20

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: NWNE 19 070S 200E

Permit Tech Review: ☒

SURFACE: 0265 FNL 2402 FEL

Engineering Review: ☒

BOTTOM: 0660 FNL 1980 FEL

Geology Review: ☒

COUNTY: Uintah

LATITUDE: 40.20253

LONGITUDE: -109.71149

UTM SURF EASTINGS: 609663.00

NORTHINGS: 4451033.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-75093

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: FEDERAL - WYB000040☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 43-2336☐ RDCC Review:☒ Fee Surface Agreement☒ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit: AURORA (DEEP)

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: R649-3-11

Effective Date:

Siting:

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 3 - Commingle - ddoucet
4 - Federal Approval - dmason
5 - Statement of Basis - bhil
15 - Directional - dmason
23 - Spacing - dmason

RECEIVED: July 12, 2012



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Aurora Federal 2-19D-7-20
API Well Number: 43047526320000
Lease Number: UTU-75093
Surface Owner: FEE (PRIVATE)
Approval Date: 7/12/2012

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingle:

Administrative approval for commingling the production from the Wasatch formation and the Green River formation in this well is hereby granted. Appropriate information has been submitted to DOGM in accordance with R649-3-22. No written objections from owners were received by DOGM.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and

Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75093
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: AURORA FEDERAL 2-19D-7-20
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047526320000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0265 FNL 2402 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: UNDESIGNATED COUNTY: UINTAH STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/15/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BBC is submitting this sundry to request permission to change the casing and cementing program for this well. TD will remain the same as original permitted. BBC is also requesting permission to set the surface casing with a spudder rig. The attached revised drilling plan includes more information in regard to the casing change and the spudder rig. Please contact Brady Riley at 303-312-8115 with any questions in regard to the proposed change.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: November 08, 2012

By: Dark Ount

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 10/30/2012	

BILL BARRETT CORPORATION
DRILLING PLAN REVISED

Aurora Federal 2-19D-7-20

NW NE, 265' FNL and 2402' FEL, Section 19, T7S-R20E, SLB&M (surface hole)

NW NE, 660' FNL and 1980' FEL, Section 19, T7S-R20E, SLB&M (bottom hole)

Uintah County, Utah

1-2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth MD</u>	<u>Depth TVD</u>
Green River*	3,889'	3,881'
Mahogany	5,222'	5,161'
Lower Green River	6,125'	6,056'
Black Shale Facies	7,161'	7,091'
Castle Peak	7,240'	7,171'
Wasatch*	8,145'	8,076'
TD	10,646'	10,576'

*PROSPECTIVE PAY

The Green River and Wasatch are primary objectives for oil/gas.

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1500'	No pressure control required (may pre-set 9-5/8" with smaller rig) See Appendix A below if a small rig is used
1500' – TD	11" 5000# Double Ram Type BOP (Pipe/Blind) 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 10,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
<u>(FROM)</u>	<u>(TO)</u>						
24"	Surface	100'	16"	65#		welded	new
12-1/4"	surface	1500'	9-5/8"	36#	J or K 55	STC	New
8-3/4"	surface	TD	5-1/2"	17#	P110	LTC	New
Note: May pre-set 9-5/8" surface casing with spudder rig. See Appendix A below.							

Bill Barrett Corporation
 Drilling Program
 Aurora Federal #2-19D-7-20 REVISED
 Uintah County, Utah

5. Cementing Program

<u>Casing</u>	<u>Cement</u>
16" Conductor Casing	Grout
12-1/4" hole for 9-5/8" Surface Casing (may pre-set with spudder rig)	Lead: 190 sx Halliburton Light w/ additives and LCM, 11.0 ppg, 3.16 ft ³ /sx, 1000' fill, 100% excess Tail: 210 sx Halliburton Premium w/ additives and LCM, 14.8 ppg, 1.36 ft ³ /sx, 500' fill, 100% excess Cement to surface, top out as necessary.
8-3/4" hole for 5-1/2" production casing	Lead: 930 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 1,500' Tail: 1070 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 6,660'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 1500'	Air/Mist/Mud 8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1500' - 5,500'	9.2 – 9.4	26 – 36	NC	Freshwater Mud Fluid System
5,500' – TD	9.4 – 9.5	42-58	25 cc or less	DAP Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI, Sonic Scanner, GEM, HFDT to be run at geologist's discretion.

8. Anticipated Abnormal Pressures or Temperatures

No abnormal temperatures are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4841 psi*

9. Auxiliary Equipment

- Upper kelly cock; lower Kelly cock will be installed while drilling
- Inside BOP or stab-in valve (available on rig floor)
- Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

Bill Barrett Corporation
Drilling Program
FD #3-36-6-19
Uintah County, Utah

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the

11. Drilling Schedule

Location Construction: April 2012
Spud: April 2012
Duration: 18 days drilling time
45 days completion time

12. Appendix A

If we pre-set the 9-5/8" casing on this well with a spudder rig, the following equipment shall be in place and operational during air/gas drilling:

- Properly lubricated and maintained rotating head*
- Spark arresters on engines or water cooled exhaust*
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment*
- All cuttings and circulating medium shall be directed into a reserve or blooie pit*
- Float valve above bit*
- Automatic igniter or continuous pilot light on the blooie line*
- Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 07 2012

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU75093
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		7. If Unit or CA Agreement, Name and No. UTU82456X
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. AURORA FEDERAL 2-19D-7-20
3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420		9. API Well No. 43-047-52632
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NWNE 265FNL 2402FEL 40.202531 N Lat, 109.711506 W Lon At proposed prod. zone NWNE 660FNL 1980FEL 40.201453 N Lat, 109.709969 W Lon		10. Field and Pool, or Exploratory UNDESIGNATED
14. Distance in miles and direction from nearest town or post office* 25.2 MILES SOUTHWEST OF VERNAL, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 19 T7S R20E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660' (BOTTOM HOLE)	16. No. of Acres in Lease 2032.38	12. County or Parish UINTAH
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2993'	19. Proposed Depth 10646 MD 10576 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 4822 GL	22. Approximate date work will start 07/01/2012	17. Spacing Unit dedicated to this well 40.00
		20. BLM/BIA Bond No. on file WYB000040
		23. Estimated duration 60 DAYS (D&C)

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) VENESSA LANGMACHER Ph: 303-312-8172	Date 05/03/2012
Title SR PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date OCT 23 2012
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

Additional Operator Remarks (see next page)

NOV 06 2012

Electronic Submission #137202 verified by the BLM Well Information System
For BILL BARRETT CORPORATION, sent to the Vernal
Committed to AFMSS for processing by LESLIE ROBINSON on 05/10/2012 (12LBR0574AE)

NOTICE OF APPROVAL

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

12LBR0574AE

UDOGM

APD posted
NO NOV 5/11/12 - 6/1/12



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Bill Barrett Corporation
Well No: Aurora Federal 2-19D-7-20
API No: 43-047-52632

Location: NWNE, Sec. 19, T7S, R20E
Lease No: UTU-75093
Agreement: Aurora (Deep)

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm ut vn opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- Any deviation of submitted APD's, which includes BBCs surface use plan, and ROW applications the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- Noxious weeds will be treated, monitored, and controlled along both the access road, pipeline route, and on the well pad itself. This includes the Russian Olive and Tamarisk trees identified during the onsite inspection.
- Insure topsoil stability on location and use topsoil for interim reclamation as soon as possible to maintain viability of the topsoil resource. If stored for a longer period of time then topsoil piles should be maintained to increase viability until the topsoil resource can be used for reclamation purposes only.
- All above ground production facilities will be painted Covert Green on all locations to help blend in with the surrounding habitat, unless otherwise directed by the BLM.
- The operator must conduct operations to minimize adverse effects to surface and subsurface resources, prevent unnecessary surface disturbance, and conform to currently available technologies and practices.
- For well 2-19D-7-20, the cottonwood trees along the fence line, between the property line and the well will be left alone per the surface owners request.

- A 20 ml reserve pit liner has been requested on both locations to minimize the potential impact to the shallow ground water in the area.
- A cattle guard will be installed as proposed where the access road into the 2-19-7-20 location meets with the county road.
- On the proposed 4-21D-7-20 location, the well entire well pad will be fenced as per the surface owners request. This fence will be maintained by Bill Barrett Corp. for the life of the well.
- A gate will be installed on the 4-21D-7-20 location on the existing fence line between the two pastures as per the private land owners request.
- Site reclamation would be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Road areas not being used and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact the BLM for seed mixes that work in the area. Seeds should be planted in August and prior to ground freeze. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

1. Cement for long-string shall be circulated 200 ft. above surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB

or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs,

core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75093
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA FEDERAL 2-19D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0265 FNL 2402 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047526320000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 1/18/2013	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was spud on 1/18/13 at 8am.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 January 31, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 1/22/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75093
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: AURORA FEDERAL 2-19D-7-20
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047526320000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0265 FNL 2402 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: UNDESIGNATED COUNTY: UINTAH STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/15/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BBC is submitting this sundry to request permission to change the production casing hole size to 7-7/8", changing the production cement needed. TD will remain the same as original permitted. The attached revised drilling plan includes more information in regard to the hole size change. Please contact Brady Riley at 303-312-8115 with any questions in regard to the proposed change.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: February 06, 2013

By: Dark Quist

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 2/5/2013	

BILL BARRETT CORPORATION
DRILLING PLAN REVISED

Aurora Federal 2-19D-7-20

NW NE, 265' FNL and 2402' FEL, Section 19, T7S-R20E, SLB&M (surface hole)

NW NE, 660' FNL and 1980' FEL, Section 19, T7S-R20E, SLB&M (bottom hole)

Uintah County, Utah

1-2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth MD</u>	<u>Depth TVD</u>
Green River*	3,889'	3,881'
Mahogany	5,222'	5,161'
Lower Green River	6,125'	6,056'
Black Shale Facies	7,161'	7,091'
Castle Peak	7,240'	7,171'
Wasatch*	8,145'	8,076'
TD	10,646'	10,576'

*PROSPECTIVE PAY

The Green River and Wasatch are primary objectives for oil/gas.

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1500'	No pressure control required (may pre-set 9-5/8" with smaller rig) See Appendix A below if a small rig is used
1500' – TD	11" 5000# Double Ram Type BOP (Pipe/Blind) 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 10,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
<u>(FROM)</u>	<u>(TO)</u>						
24"	Surface	100'	16"	65#		welded	New
12-1/4"	surface	1500'	9-5/8"	36#	J or K 55	STC	New
7-7/8"	surface	TD	5-1/2"	17#	P110	LTC	New
Note: May pre-set 9-5/8" surface casing with spudder rig. See Appendix A below.							

Bill Barrett Corporation
 Drilling Program
 Aurora Federal #2-19D-7-20 REVISED
 Uintah County, Utah

5. Cementing Program

<u>Casing</u>	<u>Cement</u>
16" Conductor Casing	Grout
12-1/4" hole for 9-5/8" Surface Casing (may pre-set with spudder rig)	Lead: 190 sx Halliburton Light w/ additives and LCM, 11.0 ppg, 3.16 ft ³ /sx, 1000' fill, 100% excess Tail: 210 sx Halliburton Premium w/ additives and LCM, 14.8 ppg, 1.36 ft ³ /sx, 500' fill, 100% excess Cement to surface, top out as necessary.
7-7/8" hole for 5-1/2" production casing	Lead: 640 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 1,500' Tail: 550 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 6,660'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 1500'	Air/Mist/Mud 8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1500' - 5,500'	9.2 – 9.4	26 – 36	NC	Freshwater Mud Fluid System
5,500' – TD	9.4 – 9.5	42-58	25 cc or less	DAP Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI, Sonic Scanner, GEM, HFDT to be run at geologist's discretion.

8. Anticipated Abnormal Pressures or Temperatures

No abnormal temperatures are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4841 psi*

9. Auxiliary Equipment

- Upper kelly cock; lower Kelly cock will be installed while drilling
- Inside BOP or stab-in valve (available on rig floor)
- Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

Bill Barrett Corporation
Drilling Program
Aurora Federal #2-19D-7-20 REVISED
Uintah County, Utah

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the

11. Drilling Schedule

Location Construction: April 2012
Spud: April 2012
Duration: 18 days drilling time
45 days completion time

12. Appendix A

If we pre-set the 9-5/8" casing on this well with a spudder rig, the following equipment shall be in place and operational during air/gas drilling:

- Properly lubricated and maintained rotating head*
- Spark arresters on engines or water cooled exhaust*
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment*
- All cuttings and circulating medium shall be directed into a reserve or blooie pit*
- Float valve above bit*
- Automatic igniter or continuous pilot light on the blooie line*
- Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Bill Barrett Corporation Operator Account Number: N 2165
Address: 1099 18th Street, Suite 2300
city Denver
state CO zip 80202 Phone Number: (303) 312-8172

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752632	AURORA FEDERAL 2-19D-7-20		NWNE	19	7S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	new	19665	1/18/2013				
Comments: Spudding Operation was conducted by Triple A Drilling @ 8 am. WSTC							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Brady Riley

Name (Please Print)

Brady Riley

Signature

Permit Analyst

Title

1/22/2013

Date

RECEIVED

JAN 22 2013

Div. of Oil, Gas & Mining

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75093
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA FEDERAL 2-19D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0265 FNL 2402 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047526320000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/28/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

February 2013 monthly drilling report attached.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 March 05, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 3/5/2013	

**Aurora Federal 2-19D-7-20 2/13/2013 06:00 - 2/14/2013 06:00**

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	MOVING RIG
18:00	12.00	06:00	1	RIGUP & TEARDOWN	RIGGING UP

Aurora Federal 2-19D-7-20 2/14/2013 06:00 - 2/15/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	8	REPAIR RIG	THAW PUMPS AND STANDPIPE
12:30	2.00	14:30	6	TRIPS	GET PIPE RACKS READY AND STRAP BHA
14:30	2.00	16:30	6	TRIPS	TIH WITH DIRECTIONAL TOOLS
16:30	7.00	23:30	2	DRILL ACTUAL	DRILL ACTUAL F/80' - T/671'
23:30	0.50	00:00	7	LUBRICATE RIG	RIG SERVICE
00:00	6.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/671' - T/1200'

Aurora Federal 2-19D-7-20 2/15/2013 06:00 - 2/16/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	2	DRILL ACTUAL	DRILL ACTUAL F/1200' - T/1562'
10:00	1.50	11:30	5	COND MUD & CIRC	PUMP SWEEP/CIRCULATE
11:30	1.00	12:30	6	TRIPS	TOOH/LD DRILL PIPE
12:30	0.50	13:00	7	LUBRICATE RIG	RIG SERVICE
13:00	1.00	14:00	6	TRIPS	TOOH/LD DRILL PIPE
14:00	2.00	16:00	20	DIRECTIONAL WORK	L/D DIRECTIONAL TOOLS
16:00	1.00	17:00	12	RUN CASING & CEMENT	RIG UP TO RUN CASING
17:00	6.00	23:00	12	RUN CASING & CEMENT	RUN 35 JTS 1544' 9.625" 36# J55 ST&C WITH 9 CENTRALIZERS, WASH LAST 120' TO BOTTOM
23:00	1.00	00:00	5	COND MUD & CIRC	CIRCULATE
00:00	4.00	04:00	12	RUN CASING & CEMENT	RIG UP HALLIBURTON, CEMENT
04:00	2.00	06:00	13	WAIT ON CEMENT	WAIT ON CEMENT

Aurora Federal 2-19D-7-20 2/16/2013 06:00 - 2/17/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	13	WAIT ON CEMENT	WAIT ON CEMENT
09:00	4.00	13:00	12	RUN CASING & CEMENT	TEST LINES @ 6219 PSI PUMP 20 BBL H2O SPACER/40BBL SUPER FLUSH/ 20 BBL H2O SPACER/ 200 SKS 112.5 BBL 11.0PPG 3.16 YEILD 19.48 GAL/SK/240 SKS 57 BBL 14.8PPG 1.33 YEILD 6.31 GAL/SK DISPLACE 116 BBL DISPLACEMENT H2O FLUID, BUMP PLUG @ 1038 PSI, FLOATS HELD. 1 BBL CMT TO SURFACE. 50 SKS TOP OUT CMT. @ 15.8#, 1.17 Y, 5.02 GAL/SK @ 2 BBL. CEMENT RETURNS TO SURFACE, PUMPED 4.5 BBL THEN SENT REMAINDER TO PIT.
13:00	2.00	15:00	21	OPEN	WELD WELL HEAD ON
15:00	8.50	23:30	14	NIPPLE UP B.O.P	NIPPLE UP B.O.P.
23:30	5.50	05:00	15	TEST B.O.P	TESTED UPPER & LOWER , PIPES, BLINDS, CHOKE, KILL, INSIDE, OUTSIDE, CHOKE VALVES HCR 5000 PSI 10 MIN, SURFACE CASING 1500 PSI 30 MIN
05:00	1.00	06:00	21	OPEN	RIG UP FLARE LINES, STRAP BHA

Aurora Federal 2-19D-7-20 2/17/2013 06:00 - 2/18/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	21	OPEN	STRAP BHA
06:30	1.00	07:30	20	DIRECTIONAL WORK	TIH/PU DIRECTIONAL TOOLS

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:30	0.50	08:00	21	OPEN	CHANGE BHA AND ADD REAMERS
08:00	0.50	08:30	20	DIRECTIONAL WORK	TIH/PU DIRECTIONAL TOOLS
08:30	2.50	11:00	6	TRIPS	TIH TO TAG CEMENT @ 1485'
11:00	1.00	12:00	2	DRILL ACTUAL	DRILL OUT CEMENT TO 1566'
12:00	1.00	13:00	21	OPEN	PUMP SWEEP AND DO EMW TEST, HELD 171 PSI FOR 5 MIN.
13:00	2.00	15:00	2	DRILL ACTUAL	DRILL ACTUAL F/1566' -T/1702'
15:00	0.50	15:30	7	LUBRICATE RIG	RIG SERVICE
15:30	1.50	17:00	2	DRILL ACTUAL	DRILL ACTUAL F/1702' - T/1838'
17:00	4.00	21:00	6	TRIPS	MAKE SLUG AND TOOH
21:00	0.50	21:30	21	OPEN	INSTALL WEAR BUSHING
21:30	2.50	00:00	8	REPAIR RIG	CHANGE OUT SWIVEL LOCK
00:00	3.50	03:30	6	TRIPS	SCRIBE DIR. TOOLS, TIH
03:30	2.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/1838' - T/2064'

Aurora Federal 2-19D-7-20 2/18/2013 06:00 - 2/19/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.00	15:00	2	DRILL ACTUAL	DRILL ACTUAL F/2064' -T/3015'
15:00	0.50	15:30	7	LUBRICATE RIG	RIG SERVICE
15:30	14.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/3015' - T/4328'

Aurora Federal 2-19D-7-20 2/19/2013 06:00 - 2/20/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	DRILL ACTUAL F/4328' - T/4916'
16:00	0.50	16:30	7	LUBRICATE RIG	RIG SERVICE
16:30	13.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/4916' - T/5641'

Aurora Federal 2-19D-7-20 2/20/2013 06:00 - 2/21/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	DRILL ACTUAL F/5641' - T/6094'
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	0.50	17:30	2	DRILL ACTUAL	DRILL ACTUAL F/6094' - T/6139'
17:30	1.50	19:00	5	COND MUD & CIRC	PUMP HIGH VIS SWEEP & CIRCULATE
19:00	5.00	00:00	6	TRIPS	TOOH TO RUBBER, 676' FLOW CHECK, WELL FLOWING
00:00	1.50	01:30	5	COND MUD & CIRC	ATTEMPT TO CIRCULATE GAS OUT OF HOLE
01:30	0.50	02:00	6	TRIPS	TIH TO SHOE 1550'
02:00	2.50	04:30	5	COND MUD & CIRC	CIRCULATE AND WEIGHT UP TO KILL FLOW
04:30	1.00	05:30	6	TRIPS	TOOH TO 1000', CIRCULATE
05:30	0.50	06:00	6	TRIPS	TIH TO 1556'

Aurora Federal 2-19D-7-20 2/21/2013 06:00 - 2/22/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	6	TRIPS	STAGE IN FROM 1000' - 5005'
12:00	1.00	13:00	5	COND MUD & CIRC	MIX LCM FOR LOST CIRCULATION
13:00	1.00	14:00	5	COND MUD & CIRC	BUILD VOLUME
14:00	1.50	15:30	6	TRIPS	STAGE IN TO 6094'
15:30	2.50	18:00	5	COND MUD & CIRC	CONDITION MUD TO 9.3, CIRCULATE
18:00	1.50	19:30	5	COND MUD & CIRC	CIRCULATE, FLOW CHECK/NO FLOW, PUMP SLUG, BLOW BACK KELLY
19:30	4.50	00:00	6	TRIPS	TOOH
00:00	1.50	01:30	6	TRIPS	FLOW CHECK AT RUBBER, L/D BHA, BREAK BIT & MOTOR

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
01:30	1.00	02:30	20	DIRECTIONAL WORK	WAIT ON MWD TOOL
02:30	0.50	03:00	20	DIRECTIONAL WORK	MAKE UP BIT MOTOR AND DIR TOOLS
03:00	3.00	06:00	6	TRIPS	TIH

Aurora Federal 2-19D-7-20 2/22/2013 06:00 - 2/23/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	TIH TO 6139'
09:00	7.50	16:30	2	DRILL ACTUAL	DRILL ACTUAL F/6139' - T/6668'
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	13.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/6668' - T/7527'

Aurora Federal 2-19D-7-20 2/23/2013 06:00 - 2/24/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	2	DRILL ACTUAL	DRILL ACTUAL F/7527' - T/7619'
09:00	1.00	10:00	5	COND MUD & CIRC	CIRCULATE SWEEP
10:00	0.50	10:30	7	LUBRICATE RIG	RIG SERVICE
10:30	1.50	12:00	8	REPAIR RIG	TOOH TO 6000'
12:00	4.00	16:00	8	REPAIR RIG	SLIP ON NEW SPOOL O DRLG LINE DUE TO BAD SPOTS ON DRLG LINE
16:00	1.50	17:30	8	REPAIR RIG	TIH TO 7619'
17:30	10.50	04:00	2	DRILL ACTUAL	DRILL ACTUAL F/7619' - T/7799'
04:00	1.50	05:30	3	REAMING	WORK PIPE
05:30	0.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/7799' - T/7844'

Aurora Federal 2-19D-7-20 2/24/2013 06:00 - 2/25/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	2	DRILL ACTUAL	DRILL ACTUAL F/7844' - T/7980'
14:00	0.50	14:30	7	LUBRICATE RIG	RIG SERVICE
14:30	7.50	22:00	2	DRILL ACTUAL	DRILL ACTUAL F/7980' - T/8116'
22:00	3.00	01:00	8	REPAIR RIG	CHANGE OUT SWIVEL PUMP
01:00	5.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/8116' - T/8190'

Aurora Federal 2-19D-7-20 2/25/2013 06:00 - 2/26/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	2	DRILL ACTUAL	DRILL ACTUAL F/8190' - T/8252'
08:00	0.50	08:30	5	COND MUD & CIRC	CIRCULATE
08:30	1.00	09:30	21	OPEN	CHANGE OUT TOP DRIVE MOTORS FROM LOW TO HIGH TORQUE
09:30	3.50	13:00	2	DRILL ACTUAL	DRILL ACTUAL F/8252' - T/8355'
13:00	0.50	13:30	7	LUBRICATE RIG	RIG SERVICE
13:30	2.00	15:30	8	REPAIR RIG	REPAIR PUMP #1 X O SEATS AND VALVES
15:30	0.50	16:00	2	DRILL ACTUAL	DRILL ACTUAL F/8355' - T/8365'
16:00	1.00	17:00	8	REPAIR RIG	REPAIR PUMP #1 COCKED VALVE
17:00	2.50	19:30	2	DRILL ACTUAL	DRILL ACTUAL F/8365' - T/8436' TD
19:30	2.00	21:30	5	COND MUD & CIRC	CIRCULATE 30BBL HIGH VIS SWEEP, 30BBL LUBE SWEEP
21:30	3.50	01:00	6	TRIPS	SHORT TRIP TO 6000'
01:00	1.50	02:30	6	TRIPS	TIH TO 7315'
02:30	1.50	04:00	3	REAMING	WASH AND REAM FROM 7315' TO 8436'
04:00	2.00	06:00	5	COND MUD & CIRC	CIRCULATE

**Aurora Federal 2-19D-7-20 2/26/2013 06:00 - 2/27/2013 06:00**

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status DRILLING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	5	COND MUD & CIRC	CIRCULATE
06:30	0.50	07:00	5	COND MUD & CIRC	FLOW CHECK-NO FLOW, PUMP SLUG
07:00	2.50	09:30	6	TRIPS	TOOH FOR LOGS
09:30	0.50	10:00	21	OPEN	CHANGE TOP DRIVE MOTORS
10:00	1.50	11:30	6	TRIPS	TOOH
11:30	0.50	12:00	5	COND MUD & CIRC	WORK TIGHT HOLE @ 4117'
12:00	0.50	12:30	5	COND MUD & CIRC	FLOW CHECK-NO FLOW, PUMP SLUG
12:30	3.50	16:00	6	TRIPS	TOOH
16:00	2.00	18:00	11	WIRELINE LOGS	RIG UP LOGGERS
18:00	5.00	23:00	11	WIRELINE LOGS	LOGGING - TD = 8436'
23:00	1.00	00:00	20	DIRECTIONAL WORK	LAY DOWN SWIVEL LOCK
00:00	6.00	06:00	12	RUN CASING & CEMENT	RUN 195 JOINTS 8426' 5.5" P-110 17# LT&C W/2 MARKERS, 62 CENTRALIZERS

2/15/13

SURFACE CASING & CEMENT - caroldaniels@utah.gov - State of Utah Mail

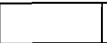
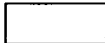
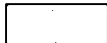
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S-19 TORS RABE NUNE

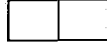
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JET
pat506

SURFACE CASING & CEMENT

Inbox x

People (6)

Capstar328 Rig <capstar328@billbarrettcorp.cc

9:23 PM (8 hours ago) ★



Capstar328 Rig

capstar328@billbarrettcorp.com

From: the center group <center@billbarrettcorp.com>

ON THE CAPSTAR #328 RIG FOR BILL BARRETT CORP.

WE WILL BE RUNNING CASING AND CEMENTING ON THE

AURORA FEDERAL 2-19D-7-20, API# 4304752632 WELL

AT APPROX. 8:00PM ON 2/15/2013

PLEASE CALL WITH ANY QUESTIONS OR CONCERNS

281-846-7727

THANK YOU,

JODY SOUTH

Show details

RECEIVED

FEB 15 2013

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# CAPSTAR 328
Submitted By JODY SOUTH Phone Number 281-846-7727
Well Name/Number AURORA FEDERAL 2-19D-7-20
Qtr/Qtr NWNE Section 19 Township 7.0S Range 20.0E
Lease Serial Number UTU-75093
API Number 4304752632

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time _____ AM ☐ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED

FEB 15 2013

DIV. OF OIL, GAS & MINING

Date/Time 02/16/2013 7:00 AM ☒ PM ☐

Remarks BOPE TEST

2/26/13

Prod. Casing and Cement - caroldaniels@utah.gov - State of Utah Mail

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S-19 TNS R20E 430475 7632

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Prod. Casing and Cement

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Notes



Capstar328 Rig <capstar328@billbarrettcorp.com>

11:35 AM (18 hours ago) ★

to Brady, me, dennisingram, richardpowell, Tracey, ut_vn_opreport

ON THE CAPSTAR #328 RIG FOR BILL BARRETT CORP. WE WILL BE RUNNING CASING AND CEMENTING

ON THE AURORA FEDERAL 2-19D-7-20, API# 4304752632 AT APPROX. 12:00PM TOMORROW (2/25/2013).

IF YOU HAVE ANY QUESTIONS OR CONCERNS PLEASE CALL.

THANK YOU,

JODY SOUTH

Capstar328 Rig

capstar328@billbarrettcorp.com

Show details

Search people...

Don Staley

alexishuefner

Diana Mason

barbara_nicol

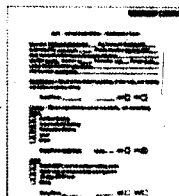
Brady Riley Inv...

Dan Jarvis

Dustin Doucet

JET

pat506



P_CSG_Notice 001.jpg
325K View Download

RECEIVED

FEB 25 2013

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Capstar 328
Submitted By Jody South Phone Number 281-846-7727
Well Name/Number Aurora Federal 2-19D-7-20
Qtr/Qtr NWNE Section 19 Township 7.0S Range 20.0E
Lease Serial Number UTU-75093
API Number 4304752632

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
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- ☒ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED

FEB 25 2013

DIV. OF OIL, GAS & MINING

Date/Time 02/26/2013 12:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks Production Casing and Cement

2/26/13

Prod. Casing and Cement - caroldaniels@utah.gov - State of Utah Mail

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caroldaniels@utah.gov

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Cabinet

Follow up

Misc

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 **Capstar328 Rig** <capstar328@billbarrettcorp.com> 11:35 AM (18 hours ago) ★
to Brady, me, dennisingram, richardpowell, Tracey, ut_vn_opreport

Capstar328 Rig
capstar328@billbarrettcorp.com

Show details

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ON THE AURORA FEDERAL 2-19D-7-20, API# 4304752632 AT APPROX. 12:00PM TOMORROW (2/25/2013).

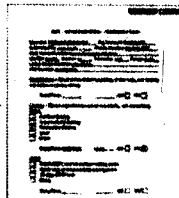
IF YOU HAVE ANY QUESTIONS OR CONCERNS PLEASE CALL.

THANK YOU,

JODY SOUTH

Search people...

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barbara_nicol
Brady Riley Inv...
Dan Jarvis
Dustin Doucet
JET
pat506



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325K View Download

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Operator Bill Barrett Corporation Rig Name/# Capstar 328
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Qtr/Qtr NWNE Section 19 Township 7.0S Range 20.0E
Lease Serial Number UTU-75093
API Number 4304752632

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

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☒ Production Casing
☐ Liner
☐ Other

RECEIVED

FEB 25 2013

DIV. OF OIL, GAS & MINING

Date/Time 02/26/2013 12:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks Production Casing and Cement

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75093
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA FEDERAL 2-19D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0265 FNL 2402 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047526320000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: Uintah		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/26/2013	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME		
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well had first oil sales on 3/26/13

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

March 28, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 3/28/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75093
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA FEDERAL 2-19D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0265 FNL 2402 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047526320000
9. FIELD and POOL or WILDCAT: UNDESIGNATED		COUNTY: UINTAH
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/1/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Attached is the March 2013 Drilling Activity for this well.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 April 04, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 4/4/2013	

**Aurora Federal 2-19D-7-20 3/4/2013 06:00 - 3/5/2013 06:00**

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	Well Secured With 11" Night Cap. BackFill Cellar	
07:00	2.00	09:00	IWHD	Install Wellhead	Safety Meeting With Cameron, Check Surface Casing & 5.5" For Pressure, 0 Psi On Both Sides. N/D 11" Night Cap, Cleaned And Dressed Up 5.5" Csg Top, Set And N/U 11" x 7 1/16" 5k Tbg. Head With 2 1/16" x 5k Gate Valves. Tested Hanger Seals To 7100 Psi, Good Test. Secured Well Head With 7" 5K Night Cap.	
09:00	1.00	10:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.	
10:00	1.00	11:00	SRIG	Rig Up/Down	MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool.	
11:00	6.00	17:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 8,320', Drilling Report Shows FC At 8,338', 18' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 8,320', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 02-26-2013. Run Repeat Section From 8,320 - 8,000', Log Up Hole. Showed Good Bond From TD To 7,980, 7,980 - 7,400' Ok, 7,400 - 6,960 Good/Ok, 6,960 - 5,020' Good To Ratty. TOC 5,020'. Found Short Joints At 6,873 - 6,895' And 5,591 - 5,612'. Ran With Pressure. Pooh, RD Equipment, MOL.	
17:00	12.00	05:00	LOCL	Lock Wellhead & Secure	WSI And Secured	

Aurora Federal 2-19D-7-20 3/11/2013 06:00 - 3/12/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	GOP	General Operations	Construction Crew Working On Facilities. Rig Up FlowBack And SandTrap Filling Frac Line.	

Aurora Federal 2-19D-7-20 3/12/2013 06:00 - 3/13/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	GOP	General Operations	Finish Filling Frac Line. Construction Crew Working On Facilities. NU Frac Mandrel, Test. NU Frac Tree, Test. Plumb In FlowBack, Test.	

Aurora Federal 2-19D-7-20 3/13/2013 06:00 - 3/14/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	GOP	General Operations	HEAT FRAC LINE.	

Aurora Federal 2-19D-7-20 3/14/2013 06:00 - 3/15/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	3.00	09:00	SRIG	Rig Up/Down	MIRU SLB. SOFT LOCATION. STUCK GETTING SPOTTED.	
09:00	1.00	10:00	PFRT	Perforating	MIRU SLB WITH 5K LUB. PU GUNS FOR STG 1. RIH AND CORRELATE TO SJ AT 6874'-6896'. RUN DOWN AND PERF WASATCH FORM 7994'-8281' WITH 48 HOLES IN 16' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT WELL IN.	
10:00	4.00	14:00	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.	
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.	

Aurora Federal 2-19D-7-20 3/15/2013 06:00 - 3/16/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
-------------------------	----------------------	------------------	----------------------	--------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00		06:00	SMTG	Safety Meeting	HES AOL 04:00. RUN QC ON FLUIDS. HSM. PPE, SMOKING, SIGN IN SHEETS, HIGH PRESSURE, OVERHEAD LOADS, ESCAPE ROUTES AND WORK AREAS.	

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	FRAC	Frac. Job	<p>FRAC STG #1- WASATCH PERFS 7994'-8281' 48 HOLES IN 16' NET. PRESSURE TEST LINES TO 9700 PSI. OPEN WELL W/ 66 PSI AT 05:45 BREAK DOWN 2857 PSI AT 14.0 BPM. PMP 3900 GAL 15% HCL ACID W/ 96 BIO BALLS FOR DIVERSION. 8.8 BPM AT 1536 PSI. FLUSH W/ 7884 GAL. 30.7 BPM AT 1973 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 68.3 BPM AT 3776 PSI. ISIP 1289. FG .59. PERFS OPEN 30/48. CONT FR PAD. 70.7 BPM AT 3128 PSI. STAGE TO .75 PPA 100 MESH. 71.6 BPM AT 3198 PSI. ON PERFS 71.7 BPM AT 3023 PSI. STAGE TO 2 PPA 20/40 WHITE. 71.6 BPM AT 2909 PSI. ON PERFS 71.6 BPM AT 2745 PSI. STAGE TO 3 PPA 20/40 WHITE. 71.7 BPM AT 2643 PSI. ON PERFS 71.7 BPM AT 2360 PSI. STAGE TO 4 PPA 20/40 WHITE. 71.8 BPM AT 2286 PSI. ON PERFS 71.9 BPM AT 2232 PSI. STAGE TO 5 PPA 20/40 WHITE. 71.9 BPM AT 2211 PSI. ON PERFS 72.0 BPM AT 2101 PSI. FLUSH 72.5 BPM AT 2622 PSI. WSI WITH 1250 PSI. TURN OVER TO WIRELINE.</p> <div style="display: flex; justify-content: space-between;"> <div>ISDP 1348 MAX RATE 72.5 BPM AVE RATE 71.4 BPM PMP 9080 lbs 100 MESH TOT PROP 158,180 lbs SLK WTR 53,074 GAL TOTAL FLUID 113,324 GAL</div> <div>FG .60 MAX PRES 3248 PSI AVE PRES 2556 PSI 149,100 lbs 20/40 WHITE. 250 LBS SCALE SORB 3 20# HYBOR G (16) 56,387 GAL BWTR 2698 BBLs</div> </div>
07:15	1.50	08:45	PFRT	Perforating	<p>PERF STG #2- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 2 INTO LUB AND EQUALIZE 1100 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6874'-6896'. RUN DOWN AND SET CBP AT 7981' WITH 900 PSI. PULL UP AND PERF WASATCH AND UTELAND BUTTE FORM 7697'-7962' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 850 PSI.</p>
08:45	1.25	10:00	FRAC	Frac. Job	<p>FRAC STG #2- WASATCH AND UTELAND BUTTE PERFS 7697'-7962' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9300 PSI. OPEN WELL W/ 762 PSI AT 08:45 BREAK DOWN 1009 PSI AT 8.0 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.3 BPM AT 1073 PSI. FLUSH W/ 7525 GAL. 31.1 BPM AT 1600 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 2860 PSI. ISIP 1112. FG .58. PERFS OPEN 39/45. CONT FR PAD. 70.7 BPM AT 2935 PSI. STAGE TO .75 PPA 100 MESH. 71.2 BPM AT 2814 PSI. ON PERFS 69.6 BPM AT 2847 PSI. STAGE TO 2 PPA 20/40 WHITE. 71.7 BPM AT 2788 PSI. ON PERFS 71.7 BPM AT 2547 PSI. STAGE TO 3 PPA 20/40 WHITE. 71.8 BPM AT 2347 PSI. ON PERFS 71.8 BPM AT 2230 PSI. STAGE TO 4 PPA 20/40 WHITE. 71.8 BPM AT 2148 PSI. ON PERFS 71.9 BPM AT 1980 PSI. STAGE TO 5 PPA 20/40 WHITE. 72.0 BPM AT 1958 PSI. ON PERFS 72.0 BPM AT 1855 PSI. FLUSH 71.7 BPM AT 2580 PSI. WSI WITH 1250 PSI. TURN OVER TO WIRELINE.</p> <div style="display: flex; justify-content: space-between;"> <div>ISDP 1296 MAX RATE 72.0 BPM AVE RATE 71.5 BPM PMP 8600 lbs 100 MESH TOT PROP 158,600 lbs SLK WTR 51,783 GAL TOTAL FLUID 111,889 GAL</div> <div>FG .60 MAX PRES 2883 PSI AVE PRES 2328 PSI 150,000 lbs 20/40 WHITE. 250 LBS SCALE SORB 3 20# HYBOR G (16) 56,000 GAL BWTR 2664 BBLs</div> </div>

Start Time	Dur (hr)	End Time	Code	Category	Com
10:00	2.50	12:30	WLWK	Wireline	PU GUNS AND PLUG FOR STG 3. EQUALIZE 1100 PSI. RIH AND CORRELATE. PLUG WOULD NOT SET. POOH SLOWLY WITH PLUG AND GUNS. FOUND BENT FEED THRU ROD AND SPRING BELOW SWITCH TO SETTING TOOL.
12:30	1.50	14:00	PFRT	Perforating	PERF STG #3- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 3 INTO LUB AND EQUALIZE 800 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6874'-6896'. RUN DOWN AND SET CBP AT 7689' WITH 800 PSI. PULL UP AND PERF UTELAND BUTTE AND CASTLE PEAK FORM 7404'-7671' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 800 PSI.
14:00	1.50	15:30	FRAC	Frac. Job	<p>FRAC STG #3- UTELAND BUTTE AND CASTLE PEAK PERFS 7697'-7962' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9400 PSI. OPEN WELL W/ 723 PSI AT 14:09 BREAK DOWN 1010 PSI AT 4.3 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.4 BPM AT 1008 PSI. FLUSH W/ 7236 GAL. 31.2 BPM AT 1512 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.9 BPM AT 4412 PSI. ISIP 900. FG .55. PERFS OPEN 25/45. CONT FR PAD. 71.0 BPM AT 3633 PSI. STAGE TO .75 PPA 100 MESH. 71.6 BPM AT 3401 PSI. ON PERFS 71.7 BPM AT 3176 PSI. STAGE TO 2 PPA 20/40 WHITE. 71.7 BPM AT 3087 PSI. ON PERFS 71.8 BPM AT 2747 PSI. STAGE TO 3 PPA 20/40 WHITE. 71.8 BPM AT 2686 PSI. ON PERFS 71.9 BPM AT 2478 PSI. STAGE TO 4 PPA 20/40 WHITE. 71.9 BPM AT 2391 PSI. ON PERFS 71.9 BPM AT 2327 PSI. STAGE TO 5 PPA 20/40 WHITE. 71.9 BPM AT 2364 PSI. ON PERFS 71.9 BPM AT 2289 PSI. FLUSH 72.2 BPM AT 3019 PSI. WSI WITH 1270 PSI. TURN OVER TO WIRELINE.</p> <div style="display: flex; justify-content: space-between;"> <div> ISDP 1296 MAX RATE 72.0 BPM AVE RATE 71.8 BPM PMP 8700 lbs 100 MESH TOT PROP 158,900 lbs SLK WTR 50,864 GAL TOTAL FLUID 111,374 GAL </div> <div> FG .61 MAX PRES 3405 PSI AVE PRES 2685 PSI 150,200 lbs 20/40 WHITE. 250 LBS SCALE SORB 3 20# HYBOR G (16) 56,439 GAL BWTR 2651 BBLS </div> </div>
15:30	1.25	16:45	PFRT	Perforating	PERF STG #4- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 4 INTO LUB AND EQUALIZE 1150 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6874'-6896'. RUN DOWN AND SET CBP AT 7398' WITH 800 PSI. PULL UP AND PERF CASTLE PEAK FORM 7152'-7384' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 800 PSI.

Start Time	Dur (hr)	End Time	Code	Category	Com
16:45	1.25	18:00	FRAC	Frac. Job	<p>FRAC STG #4- CASTLE PEAK PERFS 7152'-7384' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9266 PSI. OPEN WELL W/ 748 PSI AT 16:45 BREAK DOWN 1074 PSI AT 5.2 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.4 BPM AT 1367 PSI. FLUSH W/ 6971 GAL. 29.4 BPM AT 2085 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 71.6 BPM AT 2835 PSI. ISIP 1213. FG .60. PERFS OPEN 41/45. CONT FR PAD. 71.6 BPM AT 2744 PSI. STAGE TO .75 PPA 100 MESH. 72.0 BPM AT 2752 PSI. ON PERFS 72.0 BPM AT 2690 PSI. STAGE TO 2 PPA 20/40 WHITE. 72.0 BPM AT 2695 PSI. ON PERFS 71.2 BPM AT 2570 PSI. STAGE TO 3 PPA 20/40 WHITE. 71.3 BPM AT 2392 PSI. ON PERFS 71.3 BPM AT 2292 PSI. STAGE TO 4 PPA 20/40 WHITE. 71.4 BPM AT 2270 PSI. ON PERFS 72.3 BPM AT 2151 PSI. STAGE TO 5 PPA 20/40 WHITE. 72.2 BPM AT 2129 PSI. ON PERFS 72.3 BPM AT 2086 PSI. FLUSH 71.5 BPM AT 2871 PSI. WSI WITH 1650 PSI. TURN OVER TO WIRELINE.</p> <div style="display: flex; justify-content: space-between;"> <div>ISDP 1682 MAX RATE 72.4 BPM AVE RATE 71.7 BPM PMP 9200 lbs 100 MESH TOT PROP 158,600 lbs SLK WTR 49,515 GAL TOTAL FLUID 119,831 GAL</div> <div>FG .67 MAX PRES 2754 PSI AVE PRES 2405 PSI 149,400 lbs 20/40 WHITE. 250 LBS SCALE SORB 3 20# HYBOR G (16) 56,758 GAL BWTR 2615 BBLS</div> </div>
18:00	1.50	19:30	PFRT	Perforating	<p>PERF STG #5- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 5 INTO LUB AND EQUALIZE 1400 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6874'-6896'. RUN DOWN AND SET CBP AT 7145' WITH 1200 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 6803'-7125' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT WELL IN WITH 900 PSI.</p>
19:30	10.50	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-52632	UT	Uintah	Aurora	PRODUCING	8,436.0	Drilling & Completion

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	SMTG	Safety Meeting	HES AOL 06:00. RUN QC ON FLUIDS. PRIME UP PUMPS. SAFETY MTG- RED ZONE. SMOKING AREA. PPE. OVERHEAD LOADS.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	1.25	08:15	FRAC	Frac. Job	<p>FRAC STG #5- DOUGLAS CREEK PERFS 6803'-7125' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9325 PSI. OPEN WELL W/ 573 PSI AT 07:09. BREAK DOWN 2267 PSI AT 13.6 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.4 BPM AT 1380 PSI. FLUSH W/ 6654 GAL. 29.9 BPM AT 1886 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 69.7 BPM AT 3610 PSI. ISIP 1437. FG .64. PERFS OPEN 31/45. CONT FR PAD. 71.8 BPM AT 3150 PSI. STAGE TO .75 PPA 100 MESH. 72.0 BPM AT 3114 PSI. ON PERFS 72.0 BPM AT 3182 PSI. STAGE TO 2 PPA 20/40 WHITE. 72.2 BPM AT 3066 PSI. ON PERFS 72.2 BPM AT 2839 PSI. STAGE TO 3 PPA 20/40 WHITE. 72.2 BPM AT 2756 PSI. ON PERFS 72.1 BPM AT 2567 PSI. STAGE TO 4 PPA 20/40 WHITE. 72.2 BPM AT 2553 PSI. ON PERFS 71.5 BPM AT 2509 PSI. STAGE TO 5 PPA 20/40 WHITE. 69.9 BPM AT 2511 PSI. ON PERFS 69.6 BPM AT 2469 PSI. FLUSH 72.1 BPM AT 2985 PSI. WSI WITH 1825 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 1961 FG .72 MAX RATE 73.3 BPM MAX PRES 3184 PSI AVE RATE 71.7 BPM AVE PRES 2741 PSI PMP 9000 lbs 100 MESH 149,600 lbs 20/40 WHITE. TOT PROP 158,600 lbs 250 LBS SCALE SORB 3 SLK WTR 49,189 GAL 20# HYBOR G (16) 56,913 GAL TOTAL FLUID 110,141 GAL BWTR 2622 BBLS</p>
08:15	1.50	09:45	PFRT	Perforating	<p>PERF STG #6- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 6 INTO LUB AND EQUALIZE 1600 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5591'-5612+'. RUN DOWN AND SET CBP AT 6757' WITH 1450 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 6347'-6737' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 900 PSI.</p>
09:45	1.25	11:00	FRAC	Frac. Job	<p>FRAC STG #6- DOUGLAS CREEK PERFS 6347'-6737' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9283 PSI. OPEN WELL W/ 770 PSI AT 09:48. BREAK DOWN 1952 PSI AT 9.9 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.3 BPM AT 1853 PSI. FLUSH W/ 6186 GAL. 31.0 BPM AT 2269 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 69.8 BPM AT 3437 PSI. ISIP 881. FG .57. PERFS OPEN 28/45. CONT FR PAD. 71.2 BPM AT 3475 PSI. STAGE TO .75 PPA 100 MESH. 71.6 BPM AT 3338 PSI. ON PERFS 68.5 BPM AT 3229 PSI. STAGE TO 2 PPA 20/40 WHITE. 71.8 BPM AT 3213 PSI. ON PERFS 71.9 BPM AT 2070 PSI. STAGE TO 3 PPA 20/40 WHITE. 71.9 BPM AT 2953 PSI. ON PERFS 71.9 BPM AT 2780 PSI. STAGE TO 4 PPA 20/40 WHITE. 72.0 BPM AT 2671 PSI. ON PERFS 72.0 BPM AT 2601 PSI. STAGE TO 5 PPA 20/40 WHITE. 72.1 BPM AT 2619 PSI. ON PERFS 72.1 BPM AT 2536 PSI. FLUSH 72.1 BPM AT 2990 PSI. WSI WITH 1100 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 1126 FG .61 MAX RATE 72.1 BPM MAX PRES 3358 PSI AVE RATE 71.6 BPM AVE PRES 2885 PSI PMP 9200 lbs 100 MESH 150,400 lbs 20/40 WHITE. TOT PROP 159,600 lbs 250 LBS SCALE SORB 3 SLK WTR 48,348 GAL 20# HYBOR G (16) 57,443 GAL TOTAL FLUID 109,627 GAL BWTR 2610 BBLS</p>

Start Time	Dur (hr)	End Time	Code	Category	Com
11:00	1.25	12:15	PFRT	Perforating	PERF STG #7- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 7 INTO LUB AND EQUALIZE 1600 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5591'-5612+'. RUN DOWN AND SET CBP AT 6327' WITH 1500 PSI. PULL UP AND PERF TGR-3 AND R-4 FORM 5980'-6307' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 850 PSI.
12:15	1.25	13:30	FRAC	Frac. Job	<p>FRAC STG #7- TGR-3 AND R-4 PERFS 5980'-6307' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 909 PSI AT 12:22. BREAK DOWN 1327 PSI AT 7.5 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.4 BPM AT 1366 PSI. FLUSH W/ 5851 GAL. 30.9 BPM AT 1768 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 71.4 BPM AT 2868 PSI. ISIP 1403. FG .63. PERFS OPEN 38/45. CONT FR PAD. 71.2 BPM AT 2777 PSI. STAGE TO .75 PPA 100 MESH. 71.6 BPM AT 2788 PSI. ON PERFS 71.6 BPM AT 2772 PSI. STAGE TO 2 PPA 20/40 WHITE. 71.6 BPM AT 2739 PSI. ON PERFS 71.7 BPM AT 2564 PSI. STAGE TO 3 PPA 20/40 WHITE. 71.7 BPM AT 2514 PSI. ON PERFS 71.8 BPM AT 2394 PSI. STAGE TO 4 PPA 20/40 WHITE. 71.8 BPM AT 2325 PSI. ON PERFS 72.1 BPM AT 2280 PSI. STAGE TO 5 PPA 20/40 WHITE. 72.2 BPM AT 2263 PSI. ON PERFS 72.2 BPM AT 2186 PSI. FLUSH 72.1 BPM AT 2633 PSI. WSI WITH 1600 PSI. TURN OVER TO WIRELINE.</p> <div style="display: flex; justify-content: space-between;"> <div> ISDP 1923 MAX RATE 72.2 BPM AVE RATE 71.9 BPM PMP 8800 lbs 100 MESH TOT PROP 169,800 lbs SLK WTR 47,464 GAL TOTAL FLUID 116,871 GAL </div> <div> FG .75 MAX PRES 2820 PSI AVE PRES 2467 PSI 161,000 lbs 20/40 WHITE. 250 LBS SCALE SORB 3 20# HYBOR G (16) 65,416 GAL BWTR 2782 BBLs </div> </div>
13:30	1.50	15:00	WLWK	Wireline	SET KILL PLUG- PU 5-1/2" EXELIS CBP AND SETTING TOOL.EQUALIZE 1450 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5591'-5612+'. RUN DOWN AND SET KILL PLUG AT 5930' WITH 1400 PSI. BLEED WELL OFF AS POOH. SHUT IN AND SECURE WELL.
15:00	15.00	06:00	SRIG	Rig Up/Down	RDMO SLB AND HES. STACK WTR AND MOVE FRAC TANKS.

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	SRIG	Rig Up/Down	MIRU STONE RIG 7.
08:00	3.00	11:00	BOPI	Install BOP's	SIWP- 0. N/D FRAC TREE. N/U BOP. R/U FLOOR & EQUIPMENT. SPOT HYD CATWALK & PIPE RACKS. LOAD 261 2-7/8 TBG ON RACKS.
11:00	3.50	14:30	RUTB	Run Tubing	P/U 4-3/4 BIT, POBS, 1 JTS 2-7/8 TBG & XN- NIPPLE. RIH W/ BHA P/U NEW 2-7/8 TBG TO KILL PLUG @ 5930'. VERY SLOW DUE TO HIGH WINDS.
14:30	2.50	17:00	DOPG	Drill Out Plugs	R/U POWER SWIVEL. BREAK CIRC. TEST BOPE & CIRC EQUIPMENT TO 1500 PSI, HELD. D/O KILL PLUG @ 5930', FCP- 1000 ON 32/64 CHOKE. SWIVEL IN HOLE, TAG SAND @ 6305'. C/O SAND & D/O CBP @ 6327'. FCP- 1000 ON 32/64 CHOKE. CIRC WELL CLEAN. R/D SWIVEL.
17:00	1.00	18:00	PULT	Pull Tubing	PULL ABOVE PERFS. TURN WELL OVER TO FLOW BACK. SDFN.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE.

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	8.00	15:00	DOPG	Drill Out Plugs	FCP- 300 ON 20/64 CHOKE. RIH F/ TOP OF PERFS W/ BIT. TAG SAND @ 6295'. R/U SWIVEL. BREAK CIRC. C/O SAND & D/O CBP @ 6757'. FCP- 250 ON 64/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 7080'. C/O SAND & D/O CBP @ 7145'. FCP- 200 ON 64/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 7373'. C/O SAND & D/O CBP @ 7398'. FCP- 200 ON 64/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 7662'. C/O SAND & D/O CBP @ 7689'. FCP- 150 ON 64/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 7938'. C/O SAND & D/O CBP @ 7981'. FCP- 150 ON 64/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 8257'. C/O SAND, D/O FLOAT COLLAR @ 8337'. C/O CMT TO 8390'. CIRC WELL CLEAN. PUMPED 350 BBLS TOTAL. R/D SWIVEL.
15:00	1.50	16:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D 2-7/8 TBG TO 5956 & LAND TBG. 182 JTS TOTAL IN HOLE.
16:30	1.50	18:00	BOPI	Install BOP's	R/D FLOOR. N/D BOPE. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF. R/U TO SALES LINE. TURN OVER TO FLOW BACK. SDFN.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE.

Aurora Federal 2-19D-7-20 3/19/2013 06:00 - 3/20/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	4.00	11:00	SRIG	Rig Up/Down	R/D RIG & EUQIPMENT. ROAD RIG TO 12-12D-46. SDFN. AM- MIRU ON 3-13D-46.
11:00	19.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL.

Aurora Federal 2-19D-7-20 3/27/2013 06:00 - 3/28/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL
07:00	1.00	08:00	RMOV	Rig Move	ROAD RIG FROM 13-22-22 TO LOCATION
08:00	1.00	09:00	SRIG	Rig Up/Down	SPOT AND RUSU.
09:00	1.50	10:30	WKLL	Kill Well	KILL WELL W/ HOT OILER. ND WH. NU BOP. RU FLOOR.
10:30	1.50	12:00	PULT	Pull Tubing	POOH W/ 182-JTS TBG
12:00	1.50	13:30	RUTB	Run Tubing	MU PROD BHA AND RIH W/ 182-JTS TBG.
13:30	1.00	14:30	RUTB	Run Tubing	PU 50-JTS TBG. TAG FILL 16 JTS EARLY. RECIEVED WORD TO LAND HIGH. LAND WELL. WASH OFF RIG FLOOR.
14:30	1.00	15:30	BOPR	Remove BOP's	WHILE ND BOP. RECIEVED WORD TO C/O WELL.
15:30	2.50	18:00	PULT	Pull Tubing	POOH W/ TBG AND BHA. WELL BLEW IN. INSTALL STRIPPING RUBBER AND CONT POOH. PUMP 50 BBLS DOWN TBG. CSG FLOWING. LET CSG FLOW TO TREATER OVERNIGHT.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE FOR NIGHT WITH CSG FLOWING TO TREATER.

Aurora Federal 2-19D-7-20 3/28/2013 06:00 - 3/29/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL.
07:00	0.50	07:30	WKLL	Kill Well	HSM. FINISH PMP 100 BBLS DOWN TBG WITH HOT OILER
07:30	1.50	09:00	PULT	Pull Tubing	CONT POOH W/ TBG. LD PROD BHA.
09:00	1.50	10:30	RUTB	Run Tubing	RIH W/ NC ON 232-JTS. RU PUMP.
10:30	1.50	12:00	RUTB	Run Tubing	INSTALL WASH RUBBER. PU 23 JTS. TAG FILL AT FLOAT COLLAR. INSPECT TAC. FOUND MARKS INDICATING TAC WAS HUNG UP NOT FILL. LD 12-JTS.
12:00	2.00	14:00	RUTB	Run Tubing	POOH W/ 248-JTS TBG. LD NOTCH COLLAR.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:00	2.00	16:00	RUTB	Run Tubing	RIH W/ PROD BHA AND TBG. TBG DETAIL HANGER 223-JTS 2-7/8" TBG 5-1/2" 1/4 SET TAC 20-JTS 2-7/8" TBG PSN 4' TBG SUB DESANDER 5 JTS 2-7/8" TBG BULL PLUG
16:00	1.50	17:30	GOP	General Operations	RD FLOOR. ND BOP. SET TAC IN 20K TENSION. LAND HANGER. INSTALL PROD T. X-O TO RODS.
17:30	1.50	19:00	GOP	General Operations	FLUSH TBG W/ 60 BBLs. SECURE WELL. SPOT IN RODS. PREP RODS. SDFN.
19:00	11.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SHUT IN AND SECURE.

Aurora Federal 2-19D-7-20 3/29/2013 06:00 - 3/30/2013 06:00

API/UWI 43-047-52632	State/Province UT	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,436.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL
07:00	0.50	07:30	GOP	General Operations	CHECK PRESSURE. RU ROD TABLE.
07:30	5.50	13:00	RURP	Run Rods & Pump	PU AND PRIME PUMP. RIH W/ PMP AS PU RODS. SPACE OUT AND SEAT PUMP. ROD DETAIL 1-1/2" X 26' POLISH ROD 2', 4', 8', X 1" PONY RODS 77) 1" W/ 4G 98) 7/8" W/ 4G 108) 3/4" W/ 4G 32) 1" W/ 4G SHEAR CPLG 25-175-RHBC-20-4-21-24 PMP
13:00	1.00	14:00	GOP	General Operations	LAY LINES. FILL W/ 10 BBLs AND TEST TO 20 PSI. STROKE PMP TO 800 PSI. GOOD. HANG HORSE HEAD AND RODS ON.
14:00	1.50	15:30	SRIG	Rig Up/Down	RDSU. WRAP LINES. RACK OUT EQUIP. PREP TO ROAD RIG. TURN WELL OVER TO PRODUCTION AND MOVE OFF.
15:30	2.00	17:30	RMOV	Rig Move	ROAD RIG TO 10-18D-36
17:30	12.50	06:00	GOP	General Operations	CREW TRAVEL. WELL TURNED OVER TO PRODUCTION DEPT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU75093

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No. UTU82456X	
2. Name of Operator BILL BARRETT CORPORATION		8. Lease Name and Well No. AURORA FEDERAL 2-19D-7-20	
Contact: BRADY RILEY E-Mail: briley@billbarrettcorp.com		9. API Well No. 43-047-52632	
3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		3a. Phone No. (include area code) Ph: 303-312-8115	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWNE 265FNL 2402FEL At top prod interval reported below NWNE 615FNL 2008FEL At total depth NWNE 736FNL 1949FEL		10. Field and Pool, or Exploratory UNDESIGNATED	
14. Date Spudded 01/18/2013		15. Date T.D. Reached 02/26/2013	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/30/2013		17. Elevations (DF, KB, RT, GL)* 4822 GL	
18. Total Depth: MD 8436 TVD 8399		19. Plug Back T.D.: MD 8338 TVD 8301	
20. Depth Bridge Plug Set: MD TVD			

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CEMENT BOND LOG, GAMMA RAY, TEMPERATURE/CCL	22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)
--	--

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 H40	65.0	0	80	80			0	0
12.250	9.625 J55	36.0	0	1562	1545	200	112	0	0
7.875	5.500 P110	17.0	0	8436	8426	580	239	4058	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7455							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	5980	7874	5980 TO 7874	0.380	255	OPEN
B) WASATCH	7994	8281	7994 TO 8281	0.380	63	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5980 TO 7874	SEE ATTACHED STAGES 2-7
7994 TO 8281	SEE ATTACHED STAGES 1-2

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/17/2013	03/21/2013	24	→	95.0	32.0	414.0	52.0		FLOW FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64/64	100	1000.0	→	95	32	414	336	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #204371 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **RECEIVED**

APR 22 2013

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)

FLARED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER MAHOGANY TGR3 DOUGLAS CREEK BLACK SHALE FACIES CASTLE PEAK UTELAND BUTTE WASATCH	3747 5092 6172 6312 7078 7163 7592 7907

32. Additional remarks (include plugging procedure):

This well had first oil sales on 3/26/13. TOC calculated by CBL. Logs are being sent in as they were too large to upload. Conductor cemented with grout. Attached is Treatment Data. Gas is currently being flared.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #204371 Verified by the BLM Well Information System.
For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) BRADY RILEY

Title PERMIT ANALYST

Signature (Electronic Submission)

Date 04/15/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **



Bill Barrett Corporation

Duchesne County, UT

SECTION 19 T7S, R20E

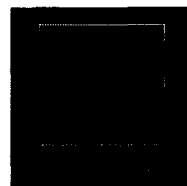
Aurora Federal 2-19D-7-20

Wellbore #1

Design: Actual

Standard Survey Report

13 March, 2013





Payzone Directional Survey Report



Company: Bill Barrett Corporation
Project: Duchesne County, UT
Site: SECTION 19 T7S, R20E
Well: Aurora Federal 2-19D-7-20
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well Aurora Federal 2-19D-7-20
TVD Reference: 2-19D-7-20 @ 4835.0ft (Capstar 328)
MD Reference: 2-19D-7-20 @ 4835.0ft (Capstar 328)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project	Duchesne County, UT		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Southern Zone		

Site	SECTION 19 T7S, R20E		
Site Position:		Northing:	3,394,023.98 m
From:	Lat/Long	Easting:	652,394.28 m
Position Uncertainty:	0.0 ft	Slot Radius:	in
		Latitude:	40° 12' 9.110 N
		Longitude:	109° 42' 41.420 W
		Grid Convergence:	1.10 °

Well	Aurora Federal 2-19D-7-20, SHL LAT: 40 12 09.11 LONG: -109 42 41.42		
Well Position	+N/-S	0.0 ft	Northing: 3,394,023.97 m
	+E/-W	0.0 ft	Easting: 652,394.28 m
Position Uncertainty	0.0 ft	Wellhead Elevation:	4,835.0 ft
		Latitude:	40° 12' 9.110 N
		Longitude:	109° 42' 41.420 W
		Ground Level:	4,822.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/25/2013	10.99	65.95	52,250

Design	Actual				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	136.07	

Survey Program	Date 3/13/2013				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
140.0	8,436.0	Survey #1 (Wellbore #1)			

Survey	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	140.0	0.62	186.46	140.0	-0.8	-0.1	0.5	0.44	0.44	0.00
	231.0	0.57	182.55	231.0	-1.7	-0.2	1.1	0.07	-0.05	-4.30
	323.0	0.57	163.57	323.0	-2.6	-0.1	1.8	0.20	0.00	-20.63
	415.0	0.70	185.32	415.0	-3.6	0.0	2.6	0.30	0.14	23.64
	506.0	0.62	189.72	506.0	-4.6	-0.1	3.3	0.10	-0.09	4.84
	598.0	0.96	186.20	598.0	-5.9	-0.3	4.0	0.37	0.37	-3.83
	673.0	1.05	174.77	673.0	-7.2	-0.3	5.0	0.29	0.12	-15.24
	763.0	0.97	188.05	762.9	-8.8	-0.3	6.1	0.27	-0.09	14.76
	854.0	1.10	190.02	853.9	-10.4	-0.6	7.1	0.15	0.14	2.16
	945.0	1.41	184.57	944.9	-12.4	-0.8	8.3	0.36	0.34	-5.99
	1,035.0	1.32	189.67	1,034.9	-14.5	-1.1	9.7	0.17	-0.10	5.67
	1,126.0	1.45	203.29	1,125.9	-16.6	-1.7	10.8	0.39	0.14	14.97



Payzone Directional Survey Report



Company: Bill Barrett Corporation
Project: Duchesne County, UT
Site: SECTION 19 T7S, R20E
Well: Aurora Federal 2-19D-7-20
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well Aurora Federal 2-19D-7-20
TVD Reference: 2-19D-7-20 @ 4835.0ft (Capstar 328)
MD Reference: 2-19D-7-20 @ 4835.0ft (Capstar 328)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,217.0	1.58	192.30	1,216.8	-18.9	-2.4	11.9	0.35	0.14	-12.08
1,307.0	1.90	203.20	1,306.8	-21.5	-3.3	13.2	0.51	0.36	12.11
1,398.0	1.60	200.80	1,397.7	-24.0	-4.3	14.3	0.34	-0.33	-2.64
1,488.0	1.89	198.30	1,487.7	-26.6	-5.2	15.5	0.33	0.32	-2.78
1,594.0	1.80	200.75	1,593.6	-29.8	-6.4	17.1	0.11	-0.08	2.31
1,684.0	2.20	176.90	1,683.6	-32.9	-6.8	19.0	1.02	0.44	-26.50
1,775.0	2.94	135.30	1,774.5	-36.3	-5.0	22.6	2.14	0.81	-45.71
1,865.0	4.66	131.93	1,864.3	-40.4	-0.7	28.6	1.93	1.91	-3.74
1,956.0	6.15	136.45	1,954.9	-46.4	5.4	37.1	1.70	1.64	4.97
2,046.0	6.70	126.10	2,044.3	-53.0	13.0	47.1	1.42	0.61	-11.50
2,137.0	7.70	122.40	2,134.6	-59.3	22.4	58.3	1.21	1.10	-4.07
2,228.0	8.00	120.30	2,224.8	-65.8	33.0	70.3	0.46	0.33	-2.31
2,319.0	8.57	124.58	2,314.8	-72.8	44.1	83.0	0.92	0.63	4.70
2,409.0	8.57	126.26	2,403.8	-80.6	55.0	96.2	0.28	0.00	1.87
2,500.0	8.22	126.65	2,493.8	-88.5	65.7	109.3	0.39	-0.38	0.43
2,590.0	7.91	127.18	2,582.9	-96.1	75.8	121.8	0.35	-0.34	0.59
2,680.0	7.56	127.18	2,672.1	-103.4	85.4	133.7	0.39	-0.39	0.00
2,770.0	7.56	127.63	2,761.3	-110.6	94.8	145.5	0.07	0.00	0.50
2,861.0	7.08	128.02	2,851.6	-117.7	104.0	156.9	0.53	-0.53	0.43
2,952.0	7.30	128.80	2,941.9	-124.8	112.9	168.2	0.26	0.24	0.86
3,042.0	7.17	123.32	3,031.2	-131.5	122.1	179.4	0.78	-0.14	-6.09
3,133.0	6.99	122.66	3,121.5	-137.6	131.5	190.3	0.22	-0.20	-0.73
3,224.0	6.60	120.62	3,211.8	-143.2	140.6	200.7	0.50	-0.43	-2.24
3,314.0	6.70	121.70	3,301.2	-148.6	149.6	210.8	0.18	0.11	1.20
3,404.0	6.81	124.06	3,390.6	-154.4	158.4	221.1	0.33	0.12	2.62
3,495.0	6.55	124.02	3,481.0	-160.3	167.2	231.5	0.29	-0.29	-0.04
3,585.0	6.55	123.62	3,570.4	-166.0	175.7	241.5	0.05	0.00	-0.44
3,676.0	6.34	126.76	3,660.8	-171.9	184.1	251.5	0.45	-0.23	3.45
3,767.0	6.64	137.07	3,751.2	-178.7	191.7	261.7	1.32	0.33	11.33
3,857.0	6.55	140.50	3,840.6	-186.5	198.5	272.0	0.45	-0.10	3.81
3,948.0	7.60	135.49	3,931.0	-194.8	206.0	283.2	1.34	1.15	-5.51
4,038.0	6.86	133.38	4,020.2	-202.7	214.1	294.6	0.87	-0.82	-2.34
4,129.0	6.46	125.03	4,110.6	-209.4	222.3	305.0	1.15	-0.44	-9.18
4,219.0	6.24	123.71	4,200.1	-215.0	230.5	314.8	0.29	-0.24	-1.47
4,310.0	6.90	127.00	4,290.5	-221.1	238.9	325.0	0.83	0.73	3.62
4,401.0	7.30	127.40	4,380.8	-227.9	247.9	336.1	0.44	0.44	0.44
4,492.0	8.04	131.62	4,471.0	-235.6	257.3	348.2	1.02	0.81	4.64
4,582.0	7.95	132.50	4,560.1	-244.0	266.5	360.7	0.17	-0.10	0.98
4,673.0	7.65	132.19	4,650.2	-252.3	275.7	373.0	0.33	-0.33	-0.34
4,764.0	7.56	123.93	4,740.5	-259.7	285.1	384.9	1.20	-0.10	-9.08
4,854.0	5.70	123.50	4,829.8	-265.5	293.8	395.0	2.07	-2.07	-0.48
4,944.0	6.50	128.59	4,919.3	-271.1	301.5	404.4	1.07	0.89	5.66
5,034.0	8.17	127.23	5,008.6	-278.2	310.6	415.8	1.87	1.86	-1.51
5,125.0	7.40	132.20	5,098.8	-286.0	320.0	428.0	1.12	-0.85	5.46
5,216.0	7.90	128.70	5,188.9	-293.9	329.3	440.1	0.75	0.55	-3.85
5,306.0	8.22	133.33	5,278.1	-302.2	338.8	452.7	0.80	0.36	5.14
5,397.0	6.55	134.74	5,368.3	-310.3	347.2	464.3	1.85	-1.84	1.55
5,487.0	5.98	133.82	5,457.8	-317.1	354.2	474.2	0.64	-0.63	-1.02
5,578.0	6.50	126.60	5,548.2	-323.5	361.8	484.0	1.03	0.57	-7.93
5,669.0	6.60	130.70	5,638.6	-330.0	369.9	494.3	0.53	0.11	4.51
5,759.0	6.80	131.50	5,728.0	-336.9	377.8	504.7	0.25	0.22	0.89
5,850.0	6.77	131.53	5,818.4	-344.0	385.8	515.4	0.03	-0.03	0.03
5,941.0	6.46	129.60	5,908.8	-350.8	393.8	525.9	0.42	-0.34	-2.12
6,031.0	6.02	130.26	5,998.2	-357.1	401.3	535.6	0.50	-0.49	0.73



Payzone Directional Survey Report



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Wellbore: Wellbore #1
Design: Actual

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North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,116.0	5.80	131.40	6,082.8	-362.8	407.9	544.3	0.29	-0.26	1.34
6,207.0	5.98	126.70	6,173.3	-368.7	415.2	553.6	0.57	0.20	-5.16
6,297.0	5.10	127.10	6,262.9	-373.9	422.1	562.2	0.98	-0.98	0.44
6,388.0	4.00	135.22	6,353.6	-378.6	427.6	569.3	1.40	-1.21	8.92
6,477.0	3.30	146.82	6,442.4	-383.0	431.2	574.9	1.14	-0.79	13.03
6,567.0	3.03	148.76	6,532.3	-387.2	433.8	579.8	0.32	-0.30	2.16
6,657.0	3.03	161.77	6,622.2	-391.5	435.8	584.3	0.76	0.00	14.46
6,739.7	3.27	171.20	6,704.7	-395.9	436.8	588.2	0.69	0.30	11.40
2-19D-7-20 TGR3									
6,747.0	3.30	171.96	6,712.0	-396.3	436.9	588.5	0.69	0.35	10.42
6,838.0	3.38	175.39	6,802.9	-401.5	437.5	592.7	0.24	0.09	3.77
6,928.0	3.43	182.86	6,892.7	-406.9	437.6	596.6	0.50	0.06	8.30
7,019.0	2.90	177.98	6,983.6	-411.9	437.5	600.2	0.65	-0.58	-5.36
7,109.0	2.59	180.57	7,073.5	-416.2	437.6	603.3	0.37	-0.34	2.88
7,200.0	2.33	177.06	7,164.4	-420.1	437.6	606.2	0.33	-0.29	-3.86
7,290.0	2.29	175.87	7,254.3	-423.7	437.9	609.0	0.07	-0.04	-1.32
7,381.0	2.42	179.83	7,345.2	-427.5	438.0	611.7	0.23	0.14	4.35
7,471.0	2.24	156.62	7,435.2	-431.0	438.7	614.8	1.06	-0.20	-25.79
7,562.0	2.37	153.90	7,526.1	-434.3	440.2	618.2	0.19	0.14	-2.99
7,652.0	2.46	159.22	7,616.0	-437.8	441.7	621.8	0.27	0.10	5.91
7,743.0	2.50	159.70	7,706.9	-441.5	443.1	625.4	0.05	0.04	0.53
7,834.0	2.77	157.81	7,797.8	-445.4	444.7	629.2	0.31	0.30	-2.08
7,924.0	2.77	155.13	7,887.7	-449.3	446.4	633.3	0.14	0.00	-2.98
8,015.0	2.20	163.57	7,978.6	-453.0	447.8	636.9	0.74	-0.63	9.27
8,105.0	2.50	163.64	8,068.6	-456.6	448.8	640.2	0.33	0.33	0.08
8,196.0	2.50	160.14	8,159.5	-460.3	450.1	643.8	0.17	0.00	-3.85
8,287.0	2.68	163.13	8,250.4	-464.2	451.4	647.5	0.25	0.20	3.29
8,377.0	2.55	161.81	8,340.3	-468.1	452.6	651.2	0.16	-0.14	-1.47
8,436.0	2.55	161.81	8,399.2	-470.6	453.4	653.5	0.00	0.00	0.00
2-19D-7-20 TGT									

Checked By: _____ Approved By: _____ Date: _____

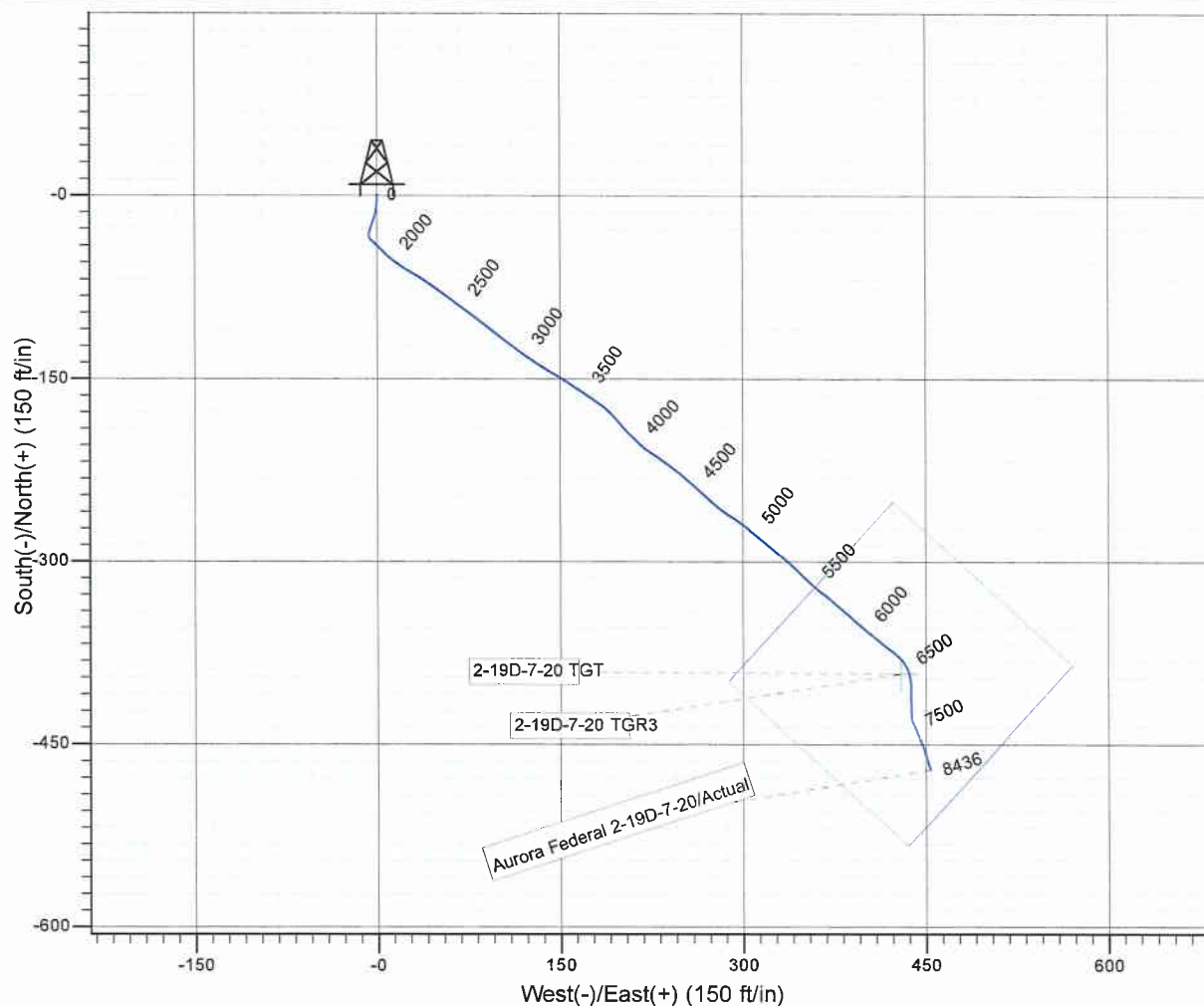
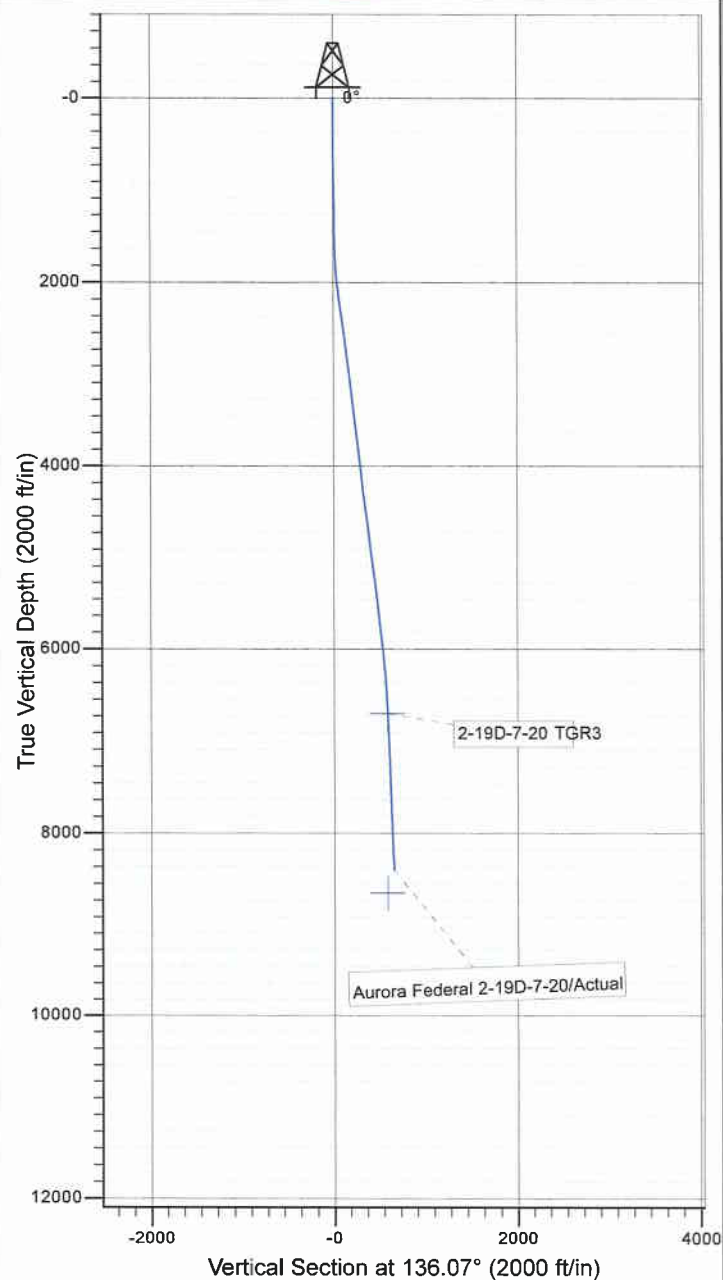


Project: Duchesne County, UT
Site: SECTION 19 T7S, R20E
Well: Aurora Federal 2-19D-7-20
Wellbore: Wellbore #1
Design: Actual



Azimuths to True North
Magnetic North: 10.99°

Magnetic Field
Strength: 52250.4nT
Dip Angle: 65.95°
Date: 1/25/2013
Model: IGRF2010



Design: Actual (Aurora Federal 2-19D-7-20/Wellbore #1)

Created By: Sarah Webb Date: 12:40, March 13 2013

THIS SURVEY IS CORRECT TO THE BEST OF
MY KNOWLEDGE AND IS SUPPORTED
BY ACTUAL FIELD DATA

Aurora Federal 2-19D-7-20 Completion Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)				
AMOUNT AND TYPE OF MATERIAL				
<u>Stage</u>	<u>BBS Slurry</u>	<u>lbs 100 Mesh Sand</u>	<u>lbs 20/40 White Sand</u>	<u>Gal 15% HCl Acid</u>
1	2699	9084	149116	3851
2	2659	8559	149741	4104
3	2648	8673	150227	4066
4	2623	9206	149394	3552
5	2619	9020	149580	4034
6	2612	9220	150380	3829
7	2780	8810	160970	3989

*Depth intervals for frac information same as perforation record intervals.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75093
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: AURORA FEDERAL 2-19D-7-20
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047526320000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0265 FNL 2402 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 20.0E Meridian: S		9. FIELD and POOL or WILDCAT: UNDESIGNATED
		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/17/2013	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME			
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION			
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

this well had first production on 3/17/13

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 April 26, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 4/11/2013

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75093
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME: AURORA (DEEP)
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA FEDERAL 2-19D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0265 FNL 2402 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047526320000
5. FIELD and POOL or WILDCAT: UNDESIGNATED		6. COUNTY: UINTAH
7. STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/30/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BBC anticipated having the sales pipeline connected in May 2013. Due to weather conditions and ground water level, the pipeline installation has been delayed. Pipeline construction was delayed to reduce surface disturbance due to high ground water. BBC anticipates a maximum total flare volume of no more than 2300 mcf for May 2013. Gas production has increased from 30 MCFPD May 1st, to 80 MCFPD May 27th. The Aurora 2-19D-7-20 will be connected to sales in June 2013.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: June 03, 2013

By: *Dark Quist*

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 5/30/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-75093
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3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA FEDERAL 2-19D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0265 FNL 2402 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 19 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047526320000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <div style="border: 1px solid black; padding: 2px; display: inline-block;">6/6/2013</div> <input type="checkbox"/> SPUD REPORT Date of Spud:
<input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> OTHER			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 ATTACHED PLEASE FIND THE SITE FACILITY DIAGRAM/SECURITY PLAN.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 July 01, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 6/10/2013	

Sundry Number: 38871 API Well Number: 43047526320000

BILL BARRETT CORPORATION

FEE

Aurora Federal 2-19D-7-20

NW¼ NE¼ SEC 19,T7S, R20E,

Lease # UTU-75093

API # 43-047-52632

Uintah Co. Utah

Site Security Plan Located at

Bill Barrett Corporation

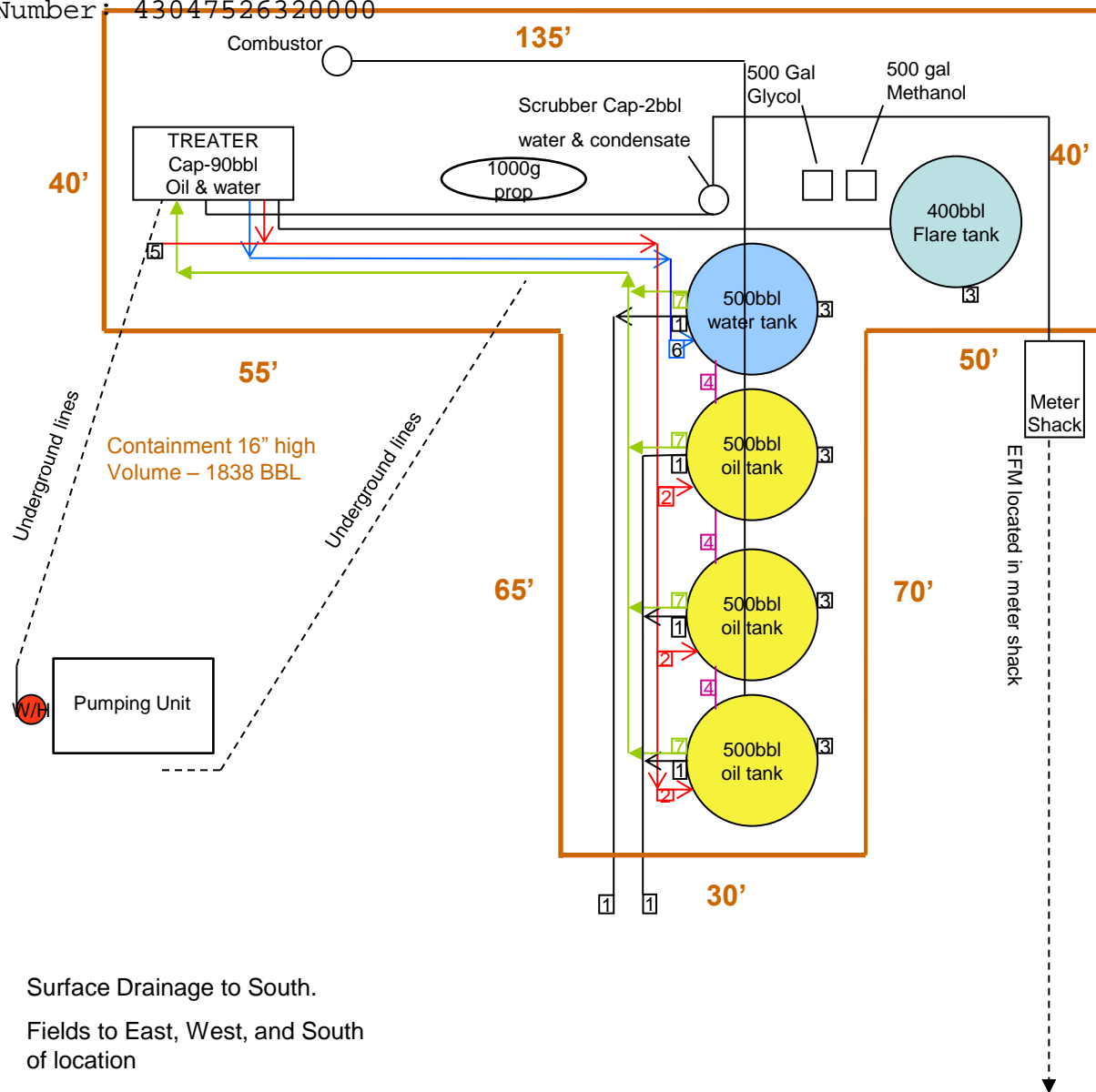
Roosevelt Office

ROUTE 3 BOX 3110

1820 W HIGHWAY 40

ROOSEVELT, UT 84066

North



Surface Drainage to South.

Fields to East, West, and South
of location

1 - 4" LOAD LINE

Production Phase - sealed closed

Sales Phase - open to load Production bought

2 - 3" PRODUCTION IN

Production Phase - open

Sales Phase - sealed close

3 - 4" DRAIN

Production Phase - sealed closed

Sales Phase - sealed closed

Drain water - open

4 - 4" UPPER EQUALIZER

Production Phase - open

Sales Phase - sealed close

5 - BYPASS

6 - 3" WATER LINES

Production Phase - open

No Sales Phase

7 - 2" RECYCLE/SKIM

Production - open

Sales - sealed closed

- PRV, RUPTURE DISC & FLARE LINES- tie in to flare tank
for emergency pressure relief of treater

43 647 52632



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101
<http://www.blm.gov/ut/st/en.html>



MAR 18 2014

IN REPLY REFER TO:
3180 (UTU82456X)
UT-922000

Mr. Kevin Funk
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, Colorado 80202

RECEIVED

MAR 20 2014

DIV. OF OIL, GAS & MINING

Re: 2nd Revision of the
Green River – Wasatch Formation
Participating Area (PA) “E”
Aurora (Deep) Unit
Uintah County, Utah

Dear Mr. Funk:

The 2nd Revision of the Green River – Wasatch Formation Participating Area (PA) “E”, Aurora (Deep) Unit, UTU82456G, is hereby approved effective as of March 1, 2013, pursuant to Section 11 of the Aurora (Deep) Unit Agreement, located in Uintah County, Utah.

The 2nd Revision of the Aurora (Deep) Unit Participating Area “E”, results in the addition of 160.00 acres to the participating area for a total of 480.00 acres and is based upon the completion of Unit Well No. 2-19D-7-20, API No. 43-047-52632, located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, Township 7 South, Range 20 East, SLM&B, Unit Tract No. 8, Lease No. UTU75093, as a well capable of producing unitized substances in paying quantities.

Copies of the approved requests are being distributed to the appropriate agencies and one copy is returned herewith. Please advise all interested parties of the approval of the 2nd Revision of the Green River – Wasatch Formation Participating Area (PA) “E”, Aurora (Deep) Unit and its effective date.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECEIVED

FORM 6

APR 03 2014

ENTITY ACTION FORM

Div. of Oil, Gas & Mining

Operator: Bill Barrett Corporation
Address: 1099 18th Street, Suite 2300
city Denver
state CO zip 80202

Operator Account Number: N 2165

Phone Number: (303) 312-8115

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304736668	Wall 13-17	SWSW	17	7S	20E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
E	15363	18444			7/1/2012	
Comments: <u>GRRV</u> <u>4-7-2013</u>						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304752632	Aurora Federal 2-19D-7-20	NWNE	19	7S	20E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
E	18865	18444			3/1/2013	
Comments: <u>GRWS</u>						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
Comments:						

ACTION CODES:

- A** - Establish new entity for new well (single well only)
- B** - Add new well to existing entity (group or unit well)
- C** - Re-assign well from one existing entity to another existing entity
- D** - Re-assign well from one existing entity to a new entity
- E** - Other (Explain in 'comments' section)

Brady Riley

Name (Please Print)

Brady Riley

Signature

Permit Analyst

Title

4/3/2014

Date